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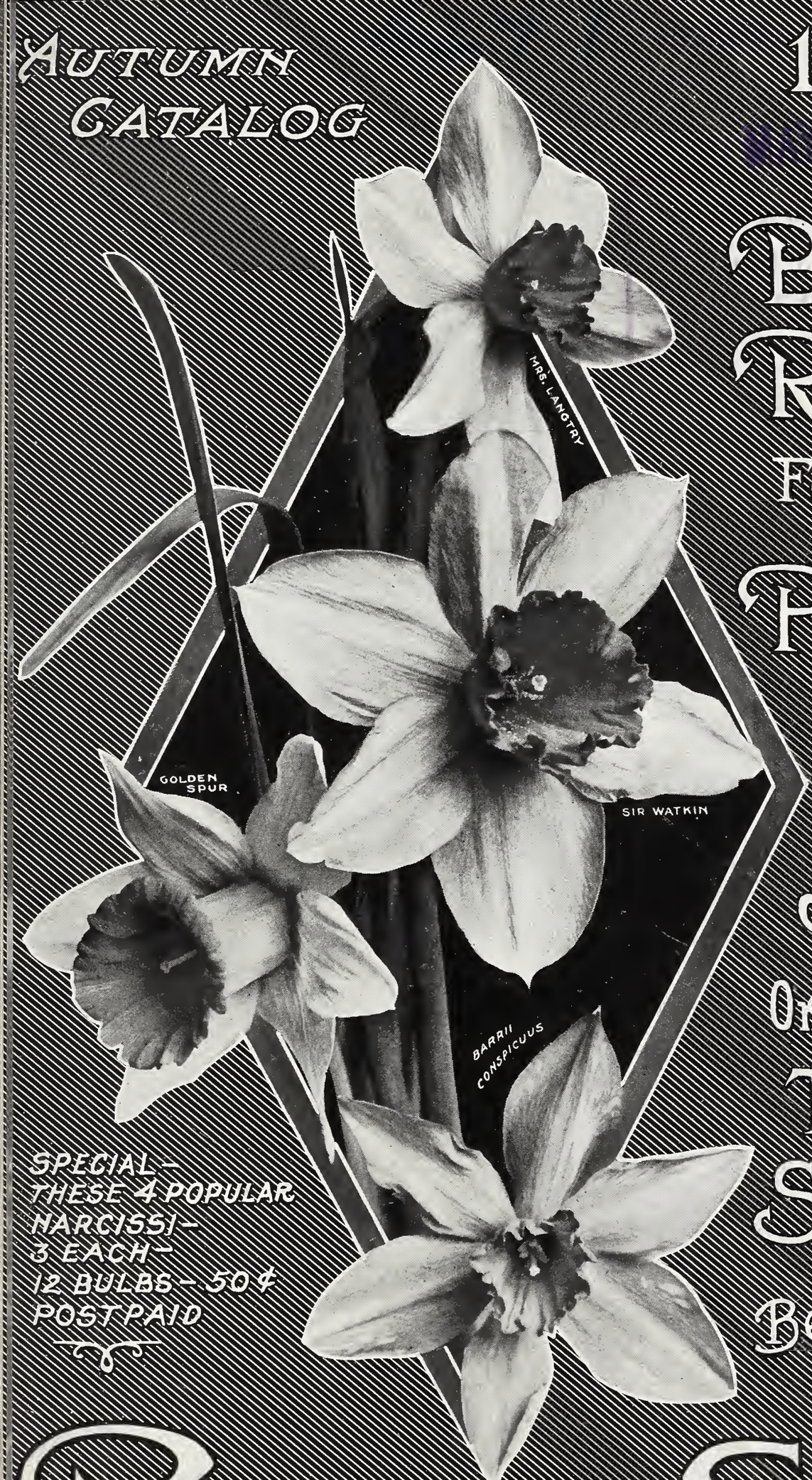
AUTUMN CATALOG

1915

BULBS ROSES Ferns and Pot PLANTS

FRUIT SHADE and Ornamental TREES SHRUBS and Berry Plants



SPECIAL—
THESE 4 POPULAR NARCISSI—
3 EACH—
12 BULBS—50¢
POST PAID

PORTLAND SEED COMPANY

PORTLAND, OREGON

Bulb Planting Tables

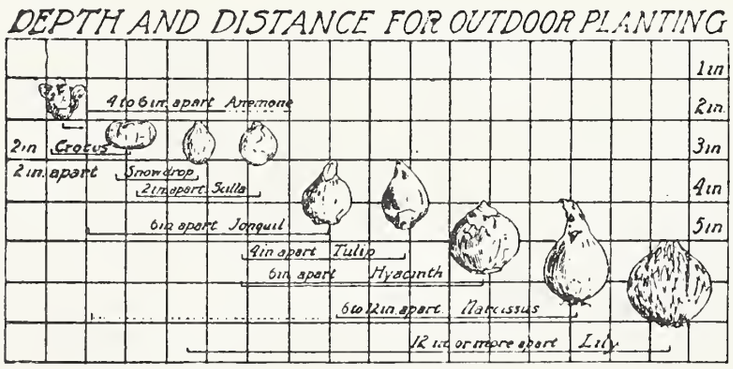
Number of Bulbs Required for Planting Different Sized Beds of Tulips or Hyacinths.

Everyone can afford a bed of flowering bulbs. They bloom so early, make such handsome and showy displays, and require so little care that their general use is increasing each year. The best effect in bulb beds is obtained by planting to solid colors, but if variety is wanted we would not advise you to select over two or three colors. Too many colors spoil the whole effect. A very satisfactory way is to plant a solid center with one or two of the outer rows of another color; a pleasing effect is obtained by dividing the bed into four sections, planting each in a separate color. As the circular bed is the most popular and satisfactory, we use it as a basis to figure on. If you want a square or oblong bed the cultural directions of the different bulbs will give you the distance bulbs should be planted apart.

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

	Total No. of Bulbs Required		No. of Bulbs Required for Two Outer Circles Only.	
Diameter of Bed	**Tulips**	**Hyacinths**	**Tulips**	**Hyacinths**
3 feet	64	36	50	31
4 feet	113	50	68	45
5 feet	177	80	87	57
6 feet	254	120	104	69
7 feet	346	160	122	82
8 feet	452	210	140	95
9 feet	573	270	160	110
10 feet	707	330	180	120

NOTE—Plant the Tulips four inches apart in the rows and the rows four inches apart. Hyacinths six inches apart and the rows six inches apart. Narcissi same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips. See chart below.



HYACINTH GLASSES

These are for Growing

HYACINTHS AND NARCISSUS

In water, see page 8

Price Each, 20c; doz. $2.00

The sooner Hyacinths and Daffodils are planted the better they will grow and force.

Suggestions for Tulip Beds

No. 1—Circular Bed of Vermillion Brilliant with edging of two rows of **Chrysolora, yellow.**

No. 2—Round Bed in four sections, first quarter **Cottage Maid,** pink; second, **Chrysolora,** yellow; third, **Artus,** scarlet; fourth **La Reine,** white. This arrangement is effective with two colors, red and white being best.

No. 3—A Circular Bed of pleasing variety is made with **Kaiserskroon** scarlet edged gold, in center, **Belle Alliance** scarlet, next, then **La Reine** white, and on the outside rows **Chrysolora** yellow.

No. 4—Bed in Three Sections or three rows of color; **Crimson King,** scarlet; **Rose Grisdelin,** pink; **L'Immaculee,** white.

No. 5—Bed in Three Sections or Rows; Joost van Vondel, cherry red with white stripe; **Rose Grisdelin,** pink; **Yellow Prince,** bright yellow.

No. 6 — Double Tulips — Rubra Maxima, scarlet, and **La Candeur,** white, give a fine showing, holding their form and lasting well.

No. 7—Single May Flowering— White Swan, Gesneriana Spathulata, rich crimson, and **Bouton d'Or,** pure deep yellow, can be used in pleasing combination. They are tall growers (18 inches) and the best of their colors.

Solid Beds of Murillo, early double light pink, or **Rose Gresdelin,** early single, delicate pink, are very attractive.

Plant a shallow rooting annual in your Tulip bed, and you will not have a bare spot when the bulbs are gone. It also keeps the weeds down. Forget-me-nots, Petunias, Pinks, Poppies, Verbenas, Candytuft, are a few of the best. Low growing perennials are also good, as they need not be disturbed. It is best not to lift Tulips each year. Leave them in the ground. They bloom better.

FLORISTS, GARDENERS and LARGE BUYERS of BULBS, should submit their Lists for Special Prices on the Number of Bulbs they Use. We can save You Money and Our "Diamond Quality" Bulbs will Give You Satisfaction

Portland Seed Company's

AUTUMN CATALOG

Trees, Roses, Bulbs, Plants

FALL 1915 - SPRING 1916

FLOWERS, SHRUBS, and TREES, and a well kept lawn add greatly to the value and beauty of your home, and time devoted to their care should prove a helpful and fascinating diversion, as well as a very profitable one.

Fall planting is advised where conditions will permit and in Western Oregon and Washington, splendid results are thus obtained. Where plantings are made throughout the Winter season the roots become well established while tops remain dormant, the Spring growing season finding the tree, plant or shrub ready to make a vigorous, normal growth.

The imported stocks offered herein are from the world's best producers, and our Oregon grown trees and plants are big, healthy, vigorous, and pass a careful official inspection before delivery.

Service — We know what is best for either temporary or permanent effects, the most satisfactory and profitable varieties, and best methods of production. Our suggestions may prove helpful and aid you in securing the best results at the least expense. We offer this special service without cost to you, and your inquiries will have our best attention.

IMPORTANT---PLEASE READ CAREFULLY

WHEN TO ORDER.—We issue this Catalogue in September, but customers can order at any time and goods will go forward in season, as follows:

FLOWERING BULBS.—We are direct importers from Holland, France, Bermuda and Japan; stocks begin to arrive in August, most deliveries being complete by December 1st, except such bulbs as Cannas, Dahlias, Gladioli, Tuberous Begonias, etc., which are not ready until after February 1st.

If you are not ready to plant bulbs when received, put them away in a cool, dry place and they will keep for weeks.

See Cultural Directions under the different headings for best time to plant.

ROSES.—In our list will be found the recent introductions of the world's great rose specialists, if there is a novelty of real merit we can supply it. Our large two-year old field grown roses are ready for delivery from October until June, one-year old mailing size from January to August. The earlier you set them out the better they will grow.

PALMS, POT AND HOUSE PLANTS.—We carry a splendid assortment and can furnish nice plants during the whole year. Palms and plants should be potted as soon as possible after arrival and watered well for a day or two so as to settle the earth around the little fibrous roots.

FRUIT, SHADE AND ORNAMENTAL TREES AND SHRUBS.—We ship these from October until June and recommend fall and early spring planting. If you do not want to plant on arrival, dig a trench and "heel" your trees in. If the ground is frozen, put them in a cellar and keep the roots damp.

COMPLAINTS OR PRAISES.—If our goods and treatment please you, tell others; if anything is wrong, tell us quickly, so that we can make it right. Our best efforts will be given to filling all orders in a satisfactory manner.

Order early—it helps us to please you.

WE NEVER SUBSTITUTE without permission from our customer. But as many items are sold out as the season advances, when requested, we will substitute varieties of equal merit maturing about the same season. **But always labeled true to name.**

MAIL and EXPRESS CHARGES on BULBS

Only Flowering Bulbs are Prepaid at Catalog Prices
All other items F. O. B. Nursery unless otherwise stated

WE CANNOT SEND GOODS C. O. D.—CASH MUST ACCOMPANY ALL ORDERS.
SEND MONEY by postoffice or express money order, bank draft or registered letter.
DO NOT SEND PERSONAL CHECKS as your order may be delayed by their collection

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, nursery stock, roots or plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.
PORTLAND SEED COMPANY.

Early Flowering Bulbs

FOR INDOOR PLANTING

THE EARLY FLOWERING BULBS for indoor planting will give the first winter flowers and can be had in succession from early winter until spring. They are of easy culture, sure to bloom, and should be in every home and school room.

NARCISSUS
"Paper-White"
GRANDIFLORA
For
Growing in Pots or
Glasses

Narcissi-Polyanthus

The Polyanthus varieties of Narcissi are not only beautiful, but deliciously sweet-scented, and of the easiest culture, very free flowering and suitable for forcing indoors or bedding out, continuing long in bloom. They bear tall spikes of bloom, bearing from six to twenty-four flowers each.

PAPER WHITE—Grandiflora. Flowers pure white, especially desirable for their beauty and delicious odor. It forces admirably and flowers freely in dense clusters; will come into bloom as early as December, if potted early. Forced by florists for cut flowers. Anyone can grow them in the house successfully. Plant one bulb to a three-inch pot, four to a six-inch pot. Can be grown in water. See page 7 under Hyacinths. **Each, 5c; doz., 40c; 100, $2.50**

GRAND MONARQUE—Large, pure white, with lemon cup. One of the finest in this class.
Each, 6c; doz., 60c; 100, $4.35

GRAND SOLEIL D'OR—Rich yellow, with orange cup; fine for bedding and cutting.
Each, 5c; doz., 50c; 100, $3.85

THE PEARL—Pure white flowers of mammoth size and very fine; looks very much like the Grandiflora, but is much larger.
Each, 6c; doz., 65c; 100, $4.75

EXTRA FINE MIXED . . Doz., 50c; 100, $3.50

French Roman Hyacinths

WHITE, PINK, BLUE

A charming class of Hyacinths, extensively grown by florists for Winter flowering. Each produce several very graceful flower spikes. The delicious perfume, earliness and profusion of bloom have made Roman Hyacinths exceedingly popular. They are so easily grown and so early that if potted early they can be brought into flower in November and December, and a succession can be had in bloom throughout the Winter and early Spring.

The best effect is produced by planting four to twelve bulbs in the shallow bulb pots. They may also be planted outdoors.

For cutting purposes the Roman Hyacinth is the finest bulb grown and is most valuable for early planting in the house. Be sure to state whether you want White, Pink or Blue. White "Romans" are the best bloomers.

Prices, each, 7c; dozen, 75c; 100, $4.75.

Italian White Hyacinths "Red Skins"

For early forcing in pots or boxes. The Italian "Redskin" white Hyacinth is a little later than the French Roman but has a larger spike of bloom. The color is white with a very light blush suffusion. Plant same as Roman Hyacinths.

First size bulbs, each, 5c; dozen, 50c; 100, $4.35.

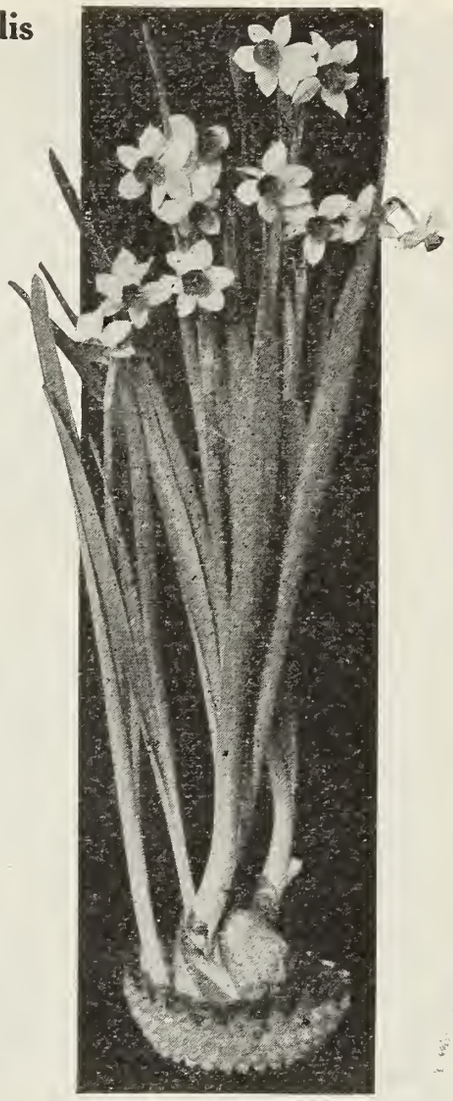
FOR HYACINTH GLASSES
See inside of front cover.
FOR CULTURAL DIRECTIONS
See page 7.

FERNS and PALMS

Fine, healthy, well-rooted plants can be safely delivered to any postoffice. All sizes at reasonable prices.

See Pages 22-23

Sacred Chinese Lily—Narcissus Orientalis



The "Shui Sin Far," or Water Fairy Flower, Joss Flower, or Flower of the Gods, etc., so called by the Celestials, is a variety of Narcissus, bearing in lavish profusion chaste flowers of silvery white, with golden cups, which are of exquisite beauty and entrancing perfume. They are grown by the Chinese, according to their ancient custom, to herald the advent of their new year and as a symbol of "good luck."

By method of culture original to them, they succeed in growing large, solid bulbs, which produce a profusion of bloom in an incredibly short time, usually not more than four to six weeks from the time of planting.

These Sacred Lilies do well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough pebbles to prevent them from tipping over when in bloom. A dozen bulbs started at intervals will give a succession of flowers throughout the winter.

This splendid flowering bulb increases in popularity each year, and we import annually, direct from China, immense quantities of the best bulbs—large, solid and well matured. Bulbs ready from September to April.

Each, 15c; 2 for 25c; doz., $1.40, postpaid

FREESIAS

These popular winter blooming bulbs force readily, coming into bloom early, and by successive plantings will last throughout the season. Their handsome clusters of white flowers have a most delicious fragrance. Plant four to six in 4-inch pot.

PURITY—New Giant Freesia—A grand new Freesia of giant size and good substance, pure white, a vigorous grower and good keeper. First size bulbs. **Doz., 50c; 100, $3.00**

REFRACTA ALBA—The flowers are pure white with a yellow blotched throat and are exquisitely fragrant. **Doz., 30c; 100, $1.50**

OXALIS

Charming little half-trailing or bushy plants, particularly adapted for pot culture and hanging baskets; the foliage alone is very attractive, and when in flower they are exceedingly pretty.

BERMUDA BUTTERCUP—Bears in profusion, bright, golden yellow flowers all winter. One of the finest winter blooming plants ever introduced for pots, baskets and vases; produces a mass of pretty foliage covered with hundreds of buds and flowers at one time. For forcing, plant the bulbs in light, rich soil and set in a cool place for several days, then remove to a warm, sunny window.
Single **Each, 4c; doz., 35c; 100, $2.00**

GRAND DUCHESS—A California variety of great beauty; of dwarf, sturdy growth; free flowering and very desirable. Pink, lavender, or white. **Each, 4c; doz., 35c; 100, $2.00**

FINE MIXED—A choice collection of the best colors, making a pleasing effect in pots or baskets. **2 for 5c; doz., 20c; 100, 75c.**

PORCH BOXES—JAPANESE TUBS—HANGING BASKETS—LAWN VASES—POTTED PLANTS—

Specimen Ferns, Palms and Ornamental Plants Furnished to Order. We can assist you in securing special decorative effects for House or Garden.

Tell us your plans—WE CAN SAVE YOU MONEY

EASTER SUNDAY April 23 1916

LILIES—Japan

AFTER bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention, our coast climate being perfectly suited to their requirements, and once established, they rival the famous product of Japan.

Planted outdoors during the fall or early spring they flower each year from June to October. We have selected the finest types that bloom freely and in the various kinds listed below you will find Lilies suitable for every purpose.

Lilium Formosum

LILIUM FORMOSUM is the best of the Longiflorums being early free blooming, healthy and vigorous, but for best results should not be planted earlier than November for Easter blooming. As too early planting produces a tendency to irregular growth and poor flowers. But if handled right later plantings produce uniform thrifty plants of a desirable height that flower freely. Our stock is of the best quality obtainable and is ready for delivery in August.

Mammoth bulbs.....Each, 20c; doz., $2.00
Large bulbs.....Each, 15c; doz., $1.50

Lilium Longiflorum—Giganteum

Of grand size and substance; superior to the Multiflorum, but forces a little later; especially fine for open ground. **Plant in early December for Easter blooming.**

Mammoth bulbs.....Each, 20c; doz., $2.00
Large bulbs.....Each, 15c; doz., $1.50

Lilium Speciosum

No words can overstate the brilliant beauty of this charming class. Its six broad white, or pink petals thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make this one of the most effective and desirable of the Lily family. They are profuse bloomers and last for days after being cut and put in water.

SPECIOSUM RUBRUM—White with dark rose spots. The most popular of the speciosum varieties. A hardy, vigorous grower and free bloomer.

Mammoth bulbs.....Each, 20c; doz., $2.00.
Large bulbs.....Each, 15c; doz., $1.50.

SPECIOSUM ALBUM—Pure white, flowers freely.

Large bulbs.....Each, 20c; doz., $2.00.

SPECIOSUM RUBRUM MELPOMENE—White, shaded rich blood crimson, heavily spotted; very rich and showy.

Large bulbs.....Each, 15c; doz., $1.50.

Tiger Lilies

TIGRINUM SPLENDENS (Improved Single Tiger Lily)—Has very large flowers of excellent form, color orange-salmon, with dark spots; hardy and a free bloomer.

Mammoth bulbs.....Each, 15c; doz., $1.50
Large bulbs.....Each, 10c; doz., $1.00

TIGRINUM FLORE PLENO (Double Tiger Lily)—This is a magnificent lily of stately habit, bearing immense clusters of very large double flowers on tall, strong stems; color bright orange red, spotted with black.

Large bulbs.....Each, 30c; doz., $3.00

Florists' Supplies-- We carry a complete line of High Grade Stocks at prices so reasonable that you cannot afford to "go East" for them. *Write us your requirements or send in a trial order.*

LILIES--Continued

Lilium Auratum

(Golden Banded Lily)

The handsomest and best known of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a gold band fading at its edges into white; very fragrant. They bloom from June to October.

Mammoth bulbs.....Each, 20c; doz., $2.00
Large bulbs.....Each, 15c; doz., $1.50

AURATUM PLATYPHLLUM—This is without question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from seven to ten feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping and of greater substance.

Mammoth bulbs.....Each, 25c; doz., $2.50
Large bulbs.....Each, 20c; doz., $2.00

Lilium Auratum
The Gold Banded Lily of Japan

CALLA LILIES

Lily of the Nile

CALLA AETHIOPICA. Our well known White Calla in its rare and stately beauty has few equals as a pot plant, and nothing is easier to grow. Plant one bulb to 6-inch pot, give an abundance of water, light and heat. and the result will be most satisfactory.

We offer dry roots (from September on), as they are superior for forcing and winter flowering purposes. They come into bloom quickly.

First size bulbs.....Each, 15c; doz., $1.50.
Extra size bulbs.....Each, 20c; doz., $2.00.

Godfrey Calla

The flowers are a beautiful snowy white of good substance and are borne continuously in the greatest profusion. Specially valuable to florists and as a house plant on account of their wonderful freedom of bloom.

Price, each, 25c; doz., $2.50.

Calla Elliotiana

YELLOW CALLA. The finest of the yellow Callas, growing to perfection under ordinary pot culture. Treat same as White Calla. Flowers are a deep rich golden yellow, 4 to 5 inches in diameter, and last a long time after opening. Foliage is a beautiful deep green, spotted silvery white; a grand novelty. **Price, each, 35c; doz., $3.75.**

Arum Dracunculus

THE BLACK CALLA—A rare and interesting plant, grows well and flowers freely; always attracts much attention. Arum Dracunculus is the most magnificent of the Black Callas. The flowers are 18 to 24 inches long, of rich deep black with a velvet sheen of darkest purplish red.

Price, Each, 40c; doz., $4.00; postpaid

Don't Fail to Plant a Few Clumps of Darwins.

For Garden Decorations they are unexcelled, and also make splendid Cut Flowers

See Page 12

LILY OF THE VALLEY

Extra Select Berlin Pips.

One of the most satisfactory and charming Spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. Valleys thrive in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year, and are most charming in beds or borders around the lawn. For outdoor planting and Winter forcing, pips and clumps are ready November to March.

SELECTED PIPS, for forcing indoors or planting outside. **Each, 5c; doz., 40c; 100, $2.50.**

STRONG CLUMPS, for outdoor planting.

Each, 30c; doz., $3.00.

NOTE.—Clumps can only be sent by express or freight at buyer's expense.

Washingtonianum.

(Mt. Hood Lily)

A beautiful Lily, native of Oregon; flower large, of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant.

Choice bulbs .....Each, 20c; doz., $2.00.

Lilium Candidum

This is the ever popular, fragrant snow white hardy garden Lily. It grows four to five feet high and blooms in the open ground in June. Our stock is imported from the Azores, the finest obtainable; should be planted early. **Each, 20c; doz., $2.00**

HYACINTHS

FOR centuries Hyacinths have been favorites with flower lovers the world over, the wonderful beauty of their dainty waxlike flowers, their rare fragrance and easy culture endear them to every grower.

The newer sorts have massive spikes of bloom of the most delicate and beautiful shades, from pure white through blush to pink, rose, and deepest red, from dainty porcelain to shades of blue and blueblack, and from cream to yellow apricot and orange.

Grown in the open ground or in pots and glasses indoors, their magnificent spikes of bloom are an ever ending delight and the admiration of all who see them.

Hyacinths are of the easiest culture—blooming through a long season and can be brought on from early winter until late spring.

Our "XX" Grade.—For those of our customers who want to produce Hyacinths of the grandest size and finest quality, we recommend our "XX" grade. These are extra choice, large, round, solid bulbs, selected especially for our best trade by our Holland growers. They will produce those handsome, mammoth flowers so highly prized, and are excellent for forcing and pot culture.

Our "X" Grade.—This grade is usually bought, and we sell more of this price and size bulb than any other. Our "X" grade is equal, if not superior, to the "First" or "Select Grade" offered by many seed stores.

Prices Postpaid. Special prices by the hundred. State varieties preferred.

XX Grade.....**Each, 15c; doz.**.....**$1.50** **X Grade**.....**10c; doz.**.....**$1.00**

Single Hyacinth

Single Pure White

ARENTINE ARENDSE—Grand pure waxy white flower, with large spike and bells. A rare beauty

BRITISH QUEEN—Pure white, very fine for early forcing, large compact spikes.

BARONESS VAN THUILL—Large, pure white handsome, compact spikes, very early, grows well in glasses.

LA GRANDESSE—Extra fine snow white, large spikes of fine formed bells, a grand exhibition variety.

L'INNOCENCE—One of the earliest; pure white fine for forcing.

MADAM VAN DER HOOP—Pure white. One of the best for general planting; flowers large and handsome; erect habit.

Single Blush White

GRAND BLANCHE—A fine blush white, flowers large and of excellent quality.

GRANDEUR A MERVEILLE—Lovely blush white, the best of its color; very large spikes.

MR. PLIMSOLL—Extra fine, blush white, large flower and bells.

Single Red and Pink

BARON VAN THUYLL—Fine pink, large spikes early; forces easily.

CAVAIGNAC—Large salmon pink, forces well, a good keeper, extra fine for exhibition.

CHARLES DICKENS—This is decidedly one of the finest pinks; spikes large; easy to force.

GENERAL PELISSIER—Brilliant carmine, compact spike; an early forcer. One of the best.

GERTRUDE—Fine rosy pink; excellent sort for forcing or bedding. Flowers large.

GIGANTEA—Fine blush pink; giant, compact spike; a popular sort among gardeners.

KING OF BELGIUM—Fine deep scarlet; compact truss. Excellent bedder.

LADY DERBY—(New)—Lovely light rose pink large spike.

MORENO—Extra fine pink, very large spike and bells; forces easily. Highly recommended

NORMA—Pale, waxy pink, handsome, large and good forcer. Extensively planted.

LA VICTOIRE—(New)—Brilliant carmine red forces early, extra fine.

LORD MACAULAY—Bright carmine pink, light center, large compact flower.

Single Yellow

BALL OF GOLD—Large compact spike, golden yellow, best of its color.

IDA—Best pure yellow, for early forcing, fine large spike.

KING OF YELLOWS—Fine, bright golden yellow, grand spikes, a superior bedding variety.

ALEXANDER OF ORANGE—Bright orange, large truss.

MAC MAHON—Rich yellow, large spike. Excellent flower, forces early.

YELLOW HAMMER—Golden yellow, extra fine flower, forces easily; exhibition variety.

Single Blue

GRAND LILAS—Extra fine porcelain blue, grand large spikes and bells; forces easily.

KING OF BLUES—Deep glossy blue, large compact spikes. The finest dark blue Hyacinth.

ENCHANTRESS—Clear pale blue; one of the finest exhibition varieties.

MARIE—Splendid bedding variety of dark blue with purple shade.

LORD DERBY—Pearl blue, very large handsome spike, good for glass.

GRAND MAITRE—Deep porcelain blue; spikes large and handsome.

QUEEN OF THE BLUES—A beautiful light blue with silvery sheen; a large, handsome flower.

Select Double Named Hyacinths

While the flowers of Double Hyacinths are large and beautiful, the spikes are not generally so full of bells as those of the single sorts.

All First Size, Large, Solid, Select Bulbs **Price, each 15c; dozen, $1.25**

Double Red

BOUQUET ROYAL—Salmon pink, red center.

CHESTNUT BLOSSOM—Light pink, large spike and bells.

NOBLE PAR MERITE—Deep red, fine large spike; early; fine forcer.

KOH-I-NOOR—Deep pink, semi-double, large flower.

LORD WELLINGTON—Large spike and flower; best of the double pinks.

Double Yellow

GOETHE—Light yellow, large spike, one of the best double yellow Hyacinths.

WILLIAM III—Rich orange yellow, good bloomer, one of the very best yellows.

SUN FLOWER—Fine pure yellow, best of its color.

Double White

BOUQUET ROYAL—Pure white, large spike.

LA TOUR D'AUVERGNE—Earliest pure white.

ISABELLA—Fine blush white; grand spike.

LA GRANDESSE—Magnificent pure white sport of the single La Grandesse.

Double Blue

BLOKSBERG—Light blue, marbled.

CHARLES DICKENS—Dark porcelain blue, extra fine spikes and bells.

GARRICK—Deep azure blue, very large spike.

VAN SPEYK—Beautiful shade of lilac, large compact truss.

"DIAMOND QUALITY" Bedding Hyacinths--ASSORTED COLORS

A superior grade of large size, selected bulbs, generally used for planting outdoors in making up beds, borders or large displays, but are equally good for forcing. They are low in price but of superior quality and will all produce fine spikes of bloom. These Hyacinths are not to be classed with the cheap grade of bulbs usually sold as "mixed" Hyacinths.

SINGLE—Pink, Red, White, Pure White, Blush White, Yellow. Each, 6c; doz. 65c. Per 100 $5.00.
Dark and Light Blue. Each, 7c; doz. 75c. Per 100, $6.00.

DOUBLE—Pink, Red, White, Pure White, Yellow. Each, 6c; doz. 65c. Per 100 $5.00.
Dark and Light Blue. Each, 7c; doz. 75c. Per 100 $6.00.

Culture of Hyacinths

OUTDOOR CULTURE.—The preferable season is October, November and December, but bulbs will give good results if planted somewhat later. Plant so that the tops of the bulbs will be from two to three inches below the surface and five to eight inches apart. In preparing the bed, see that it is well drained, so that the bulbs will not rot during our long wet winters. After flowering, if the beds are wanted for late spring planting take up the bulbs, tops and roots, and "heel in" in some corner of the garden until the bulbs mature, after which they should be spread out in an airy room to dry, and kept in a cool, dark place until time for replanting the following autumn.

CULTURE IN GLASSES.—When it is desired to grow Hyacinths or Narcissus in water, they should be placed so that the base of the bulb merely touches the water. The glass should then be set in a cool, dark place, until filled with roots, when they may be brought into the light. Fill the glasses with fresh water every few days. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed.

INDOOR CULTURE IN POTS.—Bulbs for winter blooming can be planted from September until December—the earlier the better. Plant one bulb to a four-inch, or three to a six-inch pot. Then place in a cool, dark cellar, watering well. The whole success of pot culture depends on getting the roots well established in the pots, at a low temperature of, say, 40 to 50 degrees, before you begin to force the tops. From four to six weeks is not too long to leave them in a dark, cool place. After this the bloom is easily developed by giving light, heat and water, and one can have a supply of flowers from Christmas until Easter by regulating the time of bringing them to light.

TULIPS

Extra Select Large Solid Bulbs

WHETHER planted in masses or small beds Tulips produce a handsome and striking effect. They are equally desirable as pot plants and are always sure to bloom. Any good garden soil will grow them to perfection, and no bulb makes such a gorgeous display of blossoms with so little cultivation.

Culture—The culture of Tulips is similar to that of Hyacinths, except that the bulbs should not be planted quite so deep, and from three to six inches apart. All single Tulips force easily. For indoor planting we have regular Tulip pans. Plant four bulbs to a six-inch pan; eight to an eight-inch pan, etc.

The letters A, B, C, following the varieties, indicate their earliness of bloom; the A's are the earliest, B's follow, etc. The average height in inches is also given for your benefit in selecting for bedding purposes.

Outdoors—Early or late planting does not seem to have much effect on Tulips, but they should be planted in fresh, rich soil, but not freshly manured, manuring should be done six months before planting.

Single Early Scarlet Tulips

ARTUS, B 7—Deep, brilliant scarlet, fine for forcing or bedding. **Each, 3c; doz., 30c; 100, $1.75**

BELLE ALLIANCE, B 7—Brilliant scarlet, sweet scented, excellent for forcing and bedding. **Each, 5c; doz., 40c; 100, $2.50**

DUC VAN THOLL, A 6—Bright scarlet; one of the finest for bedding and forcing. **Each, 4c; doz., 35c; 100, $2.25**

PRINCE OF AUSTRIA, B 12—Bright orange vermillion, large sweet-scented flower, fine forcer and bedder. **Each, 4c; doz., 35c; 100, $2.50.**

VERMILLION BRILLIANT, B 8 — A beautiful flower; forces easily and early; one of the largest and finest scarlets. **Each, 5c; doz., 50c; 100, $3.00**

CRAMOISE BRILLIANT, B 10 (Sparkler)—Bright vermillion, large flowers of great substance, fine forcer. **Each, 4c; doz., 35c; 100, $2.15**

CRIMSON KING, B 7—Bright crimson or scarlet, easily forced. **Each, 4c; doz., 35c; 100, $2.00**

MAES, A 10—Rich scarlet tinged purple inside, center bronze with bright yellow ring; one of the earliest and best bedders. **Each, 5c; doz., 50c; 100, $3.00**

POTTEBAKKER, A 8—Bright scarlet; large fine flower, good for forcing or bedding. **Each, 5c; doz., 40c; 100, $2.35**

COULEUR CARDINAL, B 10—Rich bronze scarlet, large fine flower of great substance, long stems, erect habit; a splendid bedder and one of the best for forcing. Our stock is extra fine. **Each, 5c; doz., 50c; 100, $3.00**

Single Early Violet

WOUVERMAN, B 8—Purple violet, large flowers, fine for outdoor planting. **Each, 7c; doz., 70c; 100, $5.00**

VAN DER NEER, A 10—Large violet purple, fine form, early. **Each, 8c; doz., 85c; 100, $6.00**

PRESIDENT LINCOLN, B 8—Pretty shade of lilac violet. **Each, 5c; doz., 50c; 100, $3.00**

SUGGESTIONS FOR TULIP BEDS—INSIDE FRONT COVER.

EARLY SINGLE TULIPS---Continued

Single White

ALBION, B 10—(White Hawk)—One of the finest pure white Tulips in cultivation for forcing and bedding; flowers snow white, very large and of great substance.
Each, 5c; doz., 50c; 100, $3.00

JOOST VAN VONDEL—(White)—B 9—Finest and most handsome pure white Tulip, extra large. **Each, 7c; doz., 65c; 100, $4.50**

POTTEBAKKER, A 9—Pure white; fine large flowers. **Each, 5c; doz., 50c; 100, $3.00**

Single Yellow

CHRYSOLORA, A 9—Pure golden yellow, large and fine; excellent for bedding.
Each, 4c; doz., 35c; 100, $2.25

GOLD FINCH, B 9—Golden yellow, sweet scented; forces easily and early; stands well, a good bedding sort. **Each, 4c; doz., 35c; 100, $2.50**

MON TRESOR, A 10—Earliest golden yellow, fine large flowers, one of the best forcing Tulips.
Each, 5c; doz., 50c; 100, $3.00

THOMAS MORUS, A 12—Apricot orange. The finest forcing Tulip of its color, large elegant form, very early.
Each, 4c; doz., 35c; 100, $2.00

PRIMROSE QUEEN, B 10—A beautiful new Tulip; rich sulphur yellow; a splendid forcer and good keeper. Florists should try this.
Each, 5c; doz., 45c; 100, $2.75

GOLDEN QUEEN, A 13—A fine deep yellow, early and extra large.
Each, 6c; doz., 55c; 100, $3.50

YELLOW PRINCE, B 9—Sweet scented; one of the very best for forcing; a fine yellow.
Each, 4c; doz., 35c; 100, $2.10

DUC VAN THOLL, A 7—Pure white; the best white Tulip for early forcing.
Each, 4c; doz., 35c; 100, $2.00

L'IMMACULEE, B 9—Pure white; good for forcing and bedding.
Each, 4c; doz., 35c; 100, $2.00

LA REINE, B 8—Pure white; best white Tulip for forcing and bedding.
Each, 3c; doz., 30c; 100, $1.50

Single Pink

LE MATELAS, A 12—Silvery pink, tipped white, shaded blush white.
Each, 5c; doz., 50c; 100, $3.40

ROSE GRISDELIN, B 7—Beautiful delicate pink, finest pink Tulip in cultivation.
Each, 4c; doz., 35c; 100, $2.00

RACHEL RUISCH—A light shade of pink, fine for outdoor planting.
Each, 4c; doz., 35c; 100, $2.00

QUEEN OF THE NETHERLANDS, A 13—Large, light pink, fine globe-shaped flower.
Each, 5c; doz., 40c; 100, $2.75

QUEEN OF PINKS—(Princess Wilhelmina)—Deep rosy red, flushed white; large and very beautiful, height 15 inches.
Each, 5c; doz., 40c; 100, $2.75

PINK BEAUTY, B 11—Bright rose pink shading to blush near yellow center. Has no equal in its class.
Each, 7c; doz., 75c; 100, $5.00

PROSERPINE, A 12—Fine glossy carmine pink, large and early forcer and a splendid bedding Tulip. **Each, 6c; doz., 60c; 100, $4.00**

Finest Single Mixed

This mixture contains all colors and shades, and is very fine for bedding.
Each, 3c; doz., 25c; 100, $1.75

Single Variegated Tulips

BRUTUS—Orange scarlet, edged yellow; fine for forcing.
Each, 4c; doz., 35c; 100, $2.00

COTTAGE MAID, B 9—White bordered with pink, extra fine and showy. **Each, 4c; doz., 35c; 100, $2.10**

DUC DE BERLIN, A 10—Scarlet edged orange yellow, fine forcer. **Each, 5c; doz., 40c; 100, $2.35**

DUCHESS DE PARMA, C 10—Terra Cotta with yellow edge, good budding variety.
Each, 4c; doz., 35c; 100, $2.25

FLAMINGO—Color white, flaked rosy red, fine for forcing.
Each, 7c; doz., 65c, 100, $4.50

JOOST VAN VONDEL, B 9—Deep, glossy, cherry red and white, large and attractive.
Each, 4c; doz., 35c; 100, $2.40

KEIZERSKROON, B 9—Bright red, with yellow edge; very large, no other Tulip makes such a handsome bed.
Each, 6c; doz., 55c; 100, $3.50

STANDARD ROYAL, B 9—Silvery white, feathered with cherry crimson. **Each, 5c; doz., 50c; 100, $3.00**

BE SURE TO PLANT A FEW GROUPS OF THE

Giant Darwin Tulips

We Offer a Splendid Collection—See Page 12

May Flowering Tulip Elegans Alba

See Diamond Collection

Single Tulips

May Flowering

THESE are to be grown in the open ground only, each individual blossom being a marvel of beauty in itself. They grow from 18 to 24 inches high and appear at their best when used in the border, the fore-ground of shrubbery or buildings, or out of the way corners of garden, where, if left undisturbed, they will bloom with increasing beauty for years. They are extremely hardy and the flowers borne on long, strong stems are good keepers when cut.

BOUTON D'OR — Golden yellow, garceful form, beautiful flower. The only late pure deep yellow.
Each, 4c; doz., 35c; 100, $2.25

BY-BLOOMS—White ground, flaked with violet, crimson and maroon.
Each, 5c; doz., 40c; 100, $2.75

ELEGANS-RED—Dark rich crimson, reflexed petals. Same beauty of form as Elegans Alba.
Each, 5c; doz., 40c; 100, $2.60

GESNERIANA LUTEA—Deep yellow, fine large flower.
Each, 4c; doz., 35c; 100, $2.50

GESNERIANA SPATHULATA—Blooms large; color rich crimson with dark center.
Each, 4c; doz., 35c; 100, $2.50

GOLDEN CROWN—Deep yellow, with crimson edge; very showy. **Each, 4c; doz., 35c; 100, $2.00**

PICOTEE—White with a pink border; fine for cutting.
Each, 4c; doz., 35c; 100, $2.25

SWEET NANCY—White to light pink, gracefully reflexed petals, margined red.
Each 4c; doz., 35c; 100, $2.00

WHITE SWAN—A lovely egg-shaped pure white flower on long stems; extra fine cut flower.
Each, 4c; doz., 35c; 100, $2.50

MOLES

If the moles eat your tulips don't get discouraged. Get some one-inch mesh poultry netting two feet wide and put it around your Bulb Beds, putting it in full depth so the top is about level with the surface of the ground.

Diamond Collection

Ten Most Beautiful Show Tulips

CALEDONIA—Bright orange scarlet. Fine for outdoor cutting. **Each, 4c; doz., 35c; 100, $2.50**

ELEGANS ALBA—White with red penciling on margin, gracefully reflexed petals, yellow anthers.
Each, 7c; doz, 70c.; 100, $4.65

ELLEN WILLMOTT—An exquisite shade of rich creamy yellow; large refined flower; delicious fragrance; long keeper. The finest May flowering Tulip. **Each, 8c; doz., 75c; 100, $5.00**

INGLESCOMBE PINK—Salmon pink with blue base; one of the finest of the large May flowering Tulips. **Each, 5c; doz., 50c; 100, $3.00**

INGLESCOMBE SCARLET—Same form as the pink type. Color a rich scarlet black base.
Each, 6c; doz., 55c; 100, $3.50

INGLESCOMBE YELLOW—A large fine yellow of perfect form; may be used for yellow Darwin.
Each, 10c; doz., 95c; 100, $6.75

ISABELLA—(Shandon Bells)—Cream turning to carmine, large. **Each, 4c; doz., 35c; 100, $2.00**

LA MERVEILLE—A large bright scarlet, suffused apricot orange; gracefully formed, long pointed petals; one of the most beautiful Tulips.
Each, 4c; doz., 35c; 100, $2.00

MRS. MOON—Large orange yellow. A superb Tulip, the best of its color.
Each, 8c; doz., 85c; 100, $6.25

PRIMROSE BEAUTY—Soft primrose, changing to white; a magnificent flower of the Willmott type.
Each, 6c; doz., 55c; 100, $3.50

SPECIAL—For trial, one each of these 10 beautiful rare Tulips for only 55c postpaid.

Early Double Tulips

THE double Tulips are used mostly for outdoor planting and bloom a little later than the early Single Tulips. Being double and full, the blooms last longer. This, with the great variety of colors, shades and markings, makes them favorites with many.

COURONNE D'OR, B 8—Fine yellow, the best double yellow for forcing, strong stem and stands handling well.
Each, 5c; doz., 50c; 100, $3.00

DUKE OF YORK, B 10—A lovely carmine having a white edge; very showy; fine for bedding
Each, 4c; doz., 35c; 100, $2.25

GLORIA SOLIS, A 9—Deep crimson, with a broad, golden yellow margin; a grand flower.
Each, 5c; doz., 40c; 100, $2.35

LA CANDEUR, B 8—Pure white, very full and double; extensively grown in open beds.
Each, 4c; doz., 35c; 100, $2.25

MURILLO, B 8—This is decidedly the best double pink Tulip for forcing or bedding; flowers large and full; very fine.
Each, 4c; doz., 35c; 100, $2.15

QUEEN VICTORIA, B 8—Carmine, a lovely flower; good bedder.
Each, 5c; doz., 50c; 100, $3.00

BOULE DE NEIGE (Purity), A—Pure white large paeony-like flower.
Each, 6c; doz., 60c; 100, $4.00

ROSINA, B 15—Beautiful white tinged rose.
Each, 5c; doz., 40c; 100, $2.75

TOURNESOLL, YELLOW, B 13—Bright yellow, slight orange flush.
Each, 5c; doz., 50c; 100, $3.00

TOURNESOLL, A 9—Bright red, with yellow edge, sweet scented, large flower. One of the easiest doubles to force.
Each, 6c; doz., 55c; 100, $3.50

VUURBAAK, B 14—Bright scarlet, flushed orange; very attractive.
Each, 5c; doz., 50c; 100, $3.00

RUBRA MAXIMA, B 9—Bright crimson scarlet; superb variety for bedding; cannot be forced, flowers large. **Each, 4c; doz., 35c; 100, $2.50**

SALVATOR ROSA, A 7—Beautiful deep rose, flamed with white; fine for forcing.
Each, 5c; doz., 40c; 100, $2.75

TITIAN—Scarlet, edged yellow. Height, 12 inch.
Each, 5c; doz., 40c; 100, $2.75

FIRE KING—Beautiful orange-red, a very striking color. Height, 14 inches.
Each, 6c; doz., 55c; 100, $3.50

MURILLO—SULPHUR (Brimstone Beauty)—Soft, pale yellow, shaded apricot, quite an unique color in double Tulips. Height, 12 inches.
Each, 7c; doz., 65c; 100, $4.50

EARLY DOUBLE MIXED—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting. **Each, 3c; doz., 30c; 100, $1.75**

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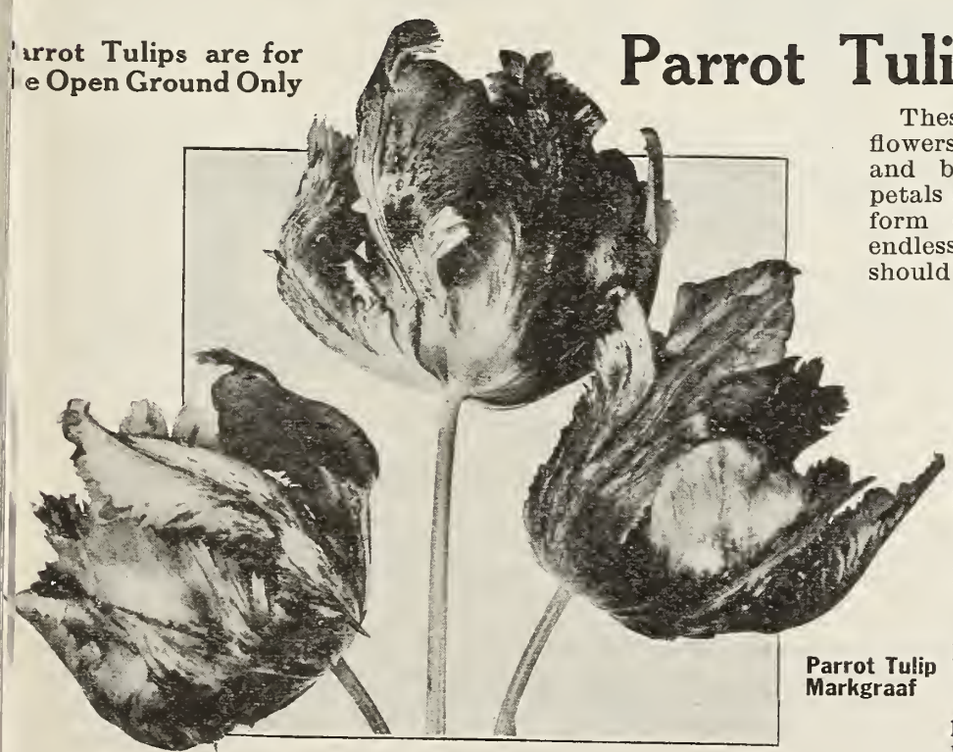
arrot Tulips are for e Open Ground Only

Parrot Tulips



Parrot Tulip Markgraaf

These Tulips have immense, attractive flowers of singularly picturesque forms and brilliant and varied colors. The petals are curiously fringed or cut. They form extravagantly showy flowers of endless variety of form and color, and should be grown in every flower garden.

ADMIRAL DE CONSTANTINOPLE — Orange red, good size.
CAFE BRUN—Orange, red feathered; very showy.
CRAMOISE BRILLIANT — Beautiful carmine red, large flowers; very fine.
LUTEA MAJOR—Golden yellow, extra fine and large flowers.
MARKGRAAF — Inside rich orange, outside scarlet and yellow, feathered, extra fine.
PERFECTA — Yellow, scarlet feathered.

NAMED VARIETIES
Each, 5c; doz., 40c; 100, $2.35

FINE MIXED — This mixture contains a large assortment of colors.
Each, 3c; doz., 30c; 100, $1.75

For Beautiful New Ferns that are easily grown, see page 22.

New Giant Darwin Tulips

THESE new giant May flowering Tulips have a majestic beauty distinctively their own that is invaluable for garden and landscape effects, and their immense globular flowers of perfect form and satiny, wax-like texture, long stems and lasting qualities, make them ideal for cutting. They come in the most varied and brilliant coloring, from white through dainty pinks, salmon, rose, and deep rich reds to black, lavenders, heliotrope, blue, violet, purple, bronzes and browns, but as yet no pure yellow. Inglescombe Yellow, page 10, in the May flowering Tulips can be used and is known as the Yellow Darwin.

For best effects Darwins should be planted in clumps of from 15 to 25 bulbs of one color, or in the fore-ground of shrubs, trees, borders, or buildings. They prefer partial shade, but will thrive in any location. They come in hundreds of varieties, of which we offer the following as the best of their color. Try them.

CLARA BUTT—Bright apple blossom pink, a brilliant and beautiful self-color. The form is the ideal Darwin type, and is conceded by all critics to be the most magnificent of its class; one of the grandest garden tulips and also forces easily, making splendid and lasting cut flowers, must be grown cool when forced. **Each, 5c; doz., 50c; 100, $3.00**

BRONZE QUEEN—Extra large, light bronze yellow. **Each, 10c; doz., 90c; 100, $6.65**

EUROPE—Salmon scarlet, shaded rose. **Each, 6c; doz., 60c; 100, $4.00**

GRETCHEN—Large globular delicate pink flower, inside soft blush. **Each, 5c; doz., 40c; 100, $2.75**

FARNCOMBE SANDERS—Magnificent brilliant scarlet, a finely formed giant flower; the best red Darwin. **Each, 7c; doz., 65c; 100, $4.50**

KATE GREENAWAY—One of the largest and latest; immense white flowers suffused with lilac. **Each, 6c; doz., 55c; 100, $3.50**

LA CANDEUR — (White Queen) — Splendid white flower tinged delicate blush; large size. **Each, 6c; doz., 60c; 100, $4.00**

LA TULIP NOIRE—The Black Tulip, flowers large, lustrous and attractive, of fine form, true Darwin type, grows 24 inches high, May flowering. A rare novelty. **Each, 25c; doz., $2.25**

MME. KRELAGE—Bright pink, lighter edge. **Each, 6c; doz., 60c; 100, $3.75**

PRIDE OF HAARLEM—Brilliant salmon rose, shaded scarlet, blue at base; of grand size and form. **Each, 6c; doz., 55c; 100, $3.50**

REV. EWBANK—Soft mauve, light edging. **Each, 7c; doz., 75c; 100, $5.00**

LA TRISTESSE—Beautiful violet with light base. **Each, 8c; doz., 75c; 100, $5.50**

DREAM—Beautiful soft lilac self colored, extra large. **Each, 7c; doz., 75c; 100, $5.00**

BARTIGON—Carmine red; a great favorite and fine for forcing. **Each, 7c; doz., 65c; 100, $4.50**

MIXED—Each, 4c; doz., 35c; 100, $2.50

Special Tulip Collections for Trial

FOR those who would learn the names of Tulips, their relative time of flowering and habit of growth, and to enable you to select varieties you prefer for special planting purposes, we offer one each of the following classes at reduced prices for trial. A knowledge of the classes and names of flowers increases the value and adds greatly to the interest and pleasure of gardening.

NO. 1 TRIAL COLLECTION—41 Early Single Tulips—One each of the named varieties listed on pages 8 and 9. **$1.50 postpaid.**

NO. 2 TRIAL COLLECTION—19 May Flowering Tulips—Page 10. A splendid assortment of the most beautiful garden Tulips. **75c, postpaid.**

NO. 3 TRIAL COLLECTION—16 Finest Double Tulips—Useful for forcing or outdoor plantings, page 11. **65c, postpaid.**

NO. 4 TRIAL COLLECTION—14 Giant Darwin Tulips—A select list of the most magnificent varieties—see description above. These are for outdoor planting. **95c, postpaid.**

NO. 5 TRIAL COLLECTION—6 Parrot Tulips—The most wonderful and unique of all Tulips, page 11. These are for outdoor planting. **20c, postpaid.**

Crocus

THESE charming little flowers bloom at a time when the ground is destitute of foliage or other flowers. This makes them most welcome, and they should occupy a prominent place in every garden. When planted in borders or beds in one or more colors, the effect is striking. No spring display surpasses that of the Crocus. The broad, wavy banks of golden yellow, striped, purple, or of pure white, when they expand their blossoms in February and March, are incomparable.

A desirable effect is produced by setting Crocuses here and there over the lawn. It is only necessary to lift the turf and insert the bulbs about two inches deep. They will care for themselves, blooming very early amid the grass, and dying down to the bulb in ample time to be entirely out of the way of the lawn mower. Once planted, they will remain uninjured in the ground and bloom for years.

Plant from October to March, about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

Named Crocus

The following varieties are new and improved sorts, the finest of their color. Be sure to include them in your list. For forcing or special work the Named Crocus is best.

KING OF THE WHITES—Mammoth snow white, truly the king of all white Crocus.
LOTHAIR—White with blue stripes, very beautiful and distinctive.
PURPUREA GRANDIFLORA—Bright purple, large, fine flower; best of its color.

Price, doz., 35c; 100, $2.00

BARON BRUNOW—Bright purple, free bloomer, flowers large, extra fine.

CLOTH OF GOLD—Golden yellow, slightly veined red, flowers large.

CLOTH OF SILVER—Silvery white, striped lilac.

MONT BLANC—Large, pure white; one of the finest.

MAMMOTH YELLOW—Yellow, selected bulbs of large size; finest blooms.

SIR WALTER SCOTT—White, striped with purple, the best striped, very large.

Price, doz., 20c; 100, $1.25

Mixed Crocus

These separate colors in mixed shades are extensively planted for outdoor beds or borders. Our bulbs are all solid and sound and first size. We have four colors.

ASSORTED—Blue, striped, white or yellow. **Doz., 15c; 100, 75c**

MIXED—All colors. **Per 100, 60c**

PORTLAND SEED COMPANY'S

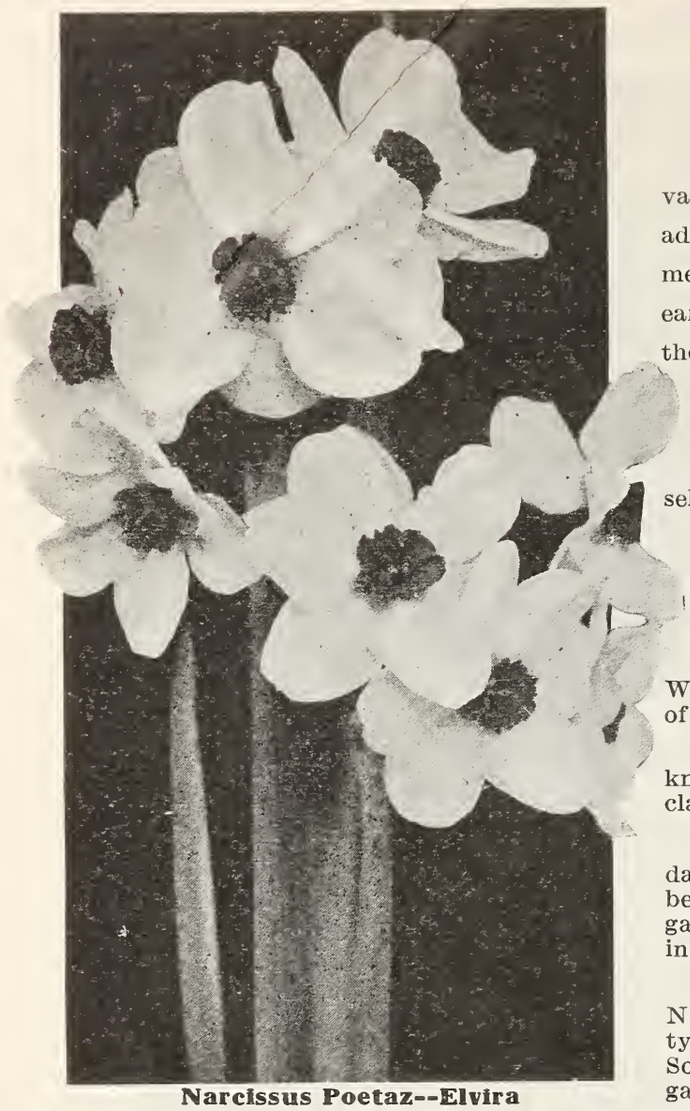
"Diamond" Fancy Lawn Mixture

TO HAVE a good lawn the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used. Plant any time from September until late spring, depending upon the weather and soil conditions. Raking in the seed is advisable, and rolling greatly improves the turf. In watering your lawn soak it deeply and not too often, as light watering every day brings the roots close to the surface, where they quickly burn or dry out. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture will cost more at first than the poorer substitute, but it will be found much cheaper and more satisfactory in the end. Our "Diamond Quality" Fancy Mixed Grass Seed is prepared from the choicest recleaned Grass Seeds that have been carefully selected for their fineness and deep rooting, close growing habits and seasonable qualities, producing an ideal dense, velvety turf of lasting quality that remains green throughout the year.

Price, per lb., 45c postpaid; freight or express, per lb., 35c.; 10 lbs., $3.25.

Sow one pound to 400 square feet, 12 to 15 pounds to a 50-foot lot.

WRITE US FOR SPECIAL MIXTURES FOR TERRACES, SHADY PLACES, DRY OR WET LAND.



Narcissus Poetaz--Elvira

"Diamond Quality" NARCISSI

We consider Narcissi to be the most satisfactory and valuable of all flowering bulbs; coming in endless variety, adapting themselves to every planting condition or requirement, their stately and delicate beauty, exquisite perfume, earliness, free blooming and keeping qualities, endear them to all who have grown them.

Once planted in the field or garden they need no further attention but will thrive and perpetuate themselves, increasing in beauty for years.

Popular Types

The Polyanthus, flowering in clusters; the "Paper White" being the earliest, easiest to force and best known of this class.

The Trumpet types or "Daffodils" are the most widely known, and some of the best garden varieties are of this class; they also force easily, making ideal pot plants.

The "Chalice Cupped" or Star Narcissus are the daintiest and most charming of all types. To this class belong the Incomparabilis, Barrii, Leedsii, etc., all splendid garden varieties that will give perfect results when grown in pots or forced.

The White flowered Poeticus type or "Pheasants Eye" Narcissus, give us some of the best of the later garden types, being hardy, sweet scented, very chaste and beautiful. Some varieties force easily, others are best suited to the garden or field.

The new Poetaz Narcissi are hybrids of Poeticus and Polyanthus types, forming a distinct and beautiful, free blooming, large flowered class that is attracting much attention and will be grown extensively as they become better known. They retain the polyanthus or cluster form of blooming, but the individual flowers are almost as large as the Poeticus types, equally valuable for bedding or forcing; extremely hardy.

Culture of Narcissi

Outdoor Culture—Plant in early fall if possible but plantings as late as Christmas will give excellent results. The depth to plant is 1½ the depth of the bulb. This gives a covering of 2 to 3 inches of soil. Any good garden soil which has not been recently manured will give satsifactory flowers, but a deep, moist loam is best. If the ground is dry or sandy it should be dug deeply, well manured and an annual, such as potatoes, grown the year previous. If your soil is light and you do not want to take off a crop before planting, give a light dressing of lime to the surface and work in a layer of well rotted manure a foot below, so as to be out of reach of the bulbs, this layer is to hold the moisture, not as a fertilizer. The best fertilizer is ground bone. This can be used with safety on poor sandy soil. A little sulphate of potash, 3-4 oz. to the square yard, will improve the color of the flower and retain the moisture.

Pot Culture—The Bulbs should be planted as soon as received as earliest plantings insure finest flowers. In potting use good, turfy loam, but let no manure of any kind, well rotted or otherwise, touch the bulb. Set in a cool, dark room for a month or two, until well rooted, then remove to the light for flowering. (All bulbs prefer a cool temperature. Be careful not to grow them too warm.) Do not cultivate too much, as extra vigor of growth injures the purity of color. Some Narcissi prefer partial shade but grow splendidly in any situation.

☞ In Planting Narcissi large groupings of irregular outline give most pleasing effects, shun symmetrical lines or formal designs.

New Cluster-Flower—Poetaz Narcissi

These are hardy hybrids between Polyanthus and Poeticus, very vigorous, growth tall and stately, with clusters of delightfully fragrant flowers. They thrive and bloom in great profusion; good keepers, forcing or bedding.

ELVIRA—Long graceful stem, flower heads have three to four large blooms, broad, white petals, deep golden cup, with scarlet edge, delicious fragrance. **Each, 6c; doz., 50c; 100, $3.60**

IRENE—Deep cup, beautifully fluted, perianth sulphur yellow, superb.
Each, 10c; doz., $1.00; 100, $6.00

NEWEST CACTUS and PAEONY Flowered DAHLIAS—See Page 32 to 36

DAFFODILS

The trumpet types of Narcissi are the true old fashioned form of Daffodils, but we now have many new and wonderful sorts, they are the largest and most glorious of all Narcissi and are perfectly hardy everywhere. Can also be grown in pots. See page 14 for culture.

☞ To enable you to plant for succession of bloom, we have numbered the varieties in their relative earliness. No. 1, early March; No. 2, late March; No. 3, early April; No. 4, late April; No. 5, May.

Daffodils once planted need not be disturbed for years. They will increase and bloom freely and are hardy everywhere

Bi-Color Empress

ALBICANS—(2)—The "White Spanish Daffodil"—Cream white, with silvery white trumpet slightly flushed with primrose and elegantly recurved at brim.
Each, 5c; doz., 50c; 100, $3.75,

BICOLOR EMPRESS—(3)—Perianth snow-white trumpet rich yellow, serrated and flanged at the edges, large in outline and of rare beauty.
Each, 6c; doz., 60c; 100, $4.25

BICOLOR VICTORIA — (2) —A magnificent large variety, bold and erect. A rare beauty; sweet-scented and the best of the bicolor varieties. Perianth white and of great substance; trumpet rich yellow.
Each, 6c; doz., 60c; 100, $4.50

EMPEROR — (3) —A magnificent flower; perianth primrose; trumpet large, rich deep yellow. One of the finest Daffodils in cultivation.
Each, 6c; doz., 60c; 100, $4.00

MAD. DE GRAAFF—(4)—A lovely white daffodil. Opens with soft primrose trumpet passing to white, of perfect form, giant size, vigorous and free blooming; forces well and for garden or naturalizing in grass has no superior; height 16 inches. First-class certificate, R. H. S.
Each, 15c; doz., $1.65

PRINCEPS—(1)—A magnificent flower and one of the finest of the large trumpet type. As a forcing variety it is superior in every way; perianth pale sulphur; trumpet rich yellow.
Each, 4c; doz., 35c; 100, $2.00

GLORY OF LEIDEN—(4)—A fitting companion for the above; a bold, giant daffodil, with golden yellow trumpet, perianth lighter, very erect, of fine form and good substance; free blooming, forces well, is a good keeper and very hardy in open ground; height 14 inches. First-class certificate, R. H. S. **Each, 15c; doz., $1.65**

GOLDEN SPUR—(1)—One of the grandest Daffodils, with extra large, bold, rich, golden yellow flowers, foliage very broad and striking; of robust habit and unsurpassed for gardens, pots and forcing.
Each, 5c; doz., 50c; 100, $3.50

TRUMPET MAJOR—(3)—Flower large and almost of a uniform deep golden; highly prized as an early forcing sort and largely planted for outside bedding. Fine for cutting.
Each, 4c; doz., 35c; 100, $2.50

SIR WATKIN—Incomparabilis Type—(2)—"The Giant Chalice Flower," or "Big Welshman." A gigantic variety, having immense, long-stemmed flowers, sometimes measuring five inches across, and is the largest variety grown. Color a rich light yellow, with a large, dark cup, tinted with orange.
Each, 7c; doz., 65c; 100, $4.25

☞ **SPECIAL** One each of these 10 Magnificent Single-Trumpet Daffodils 60c Post Paid

Jonquils

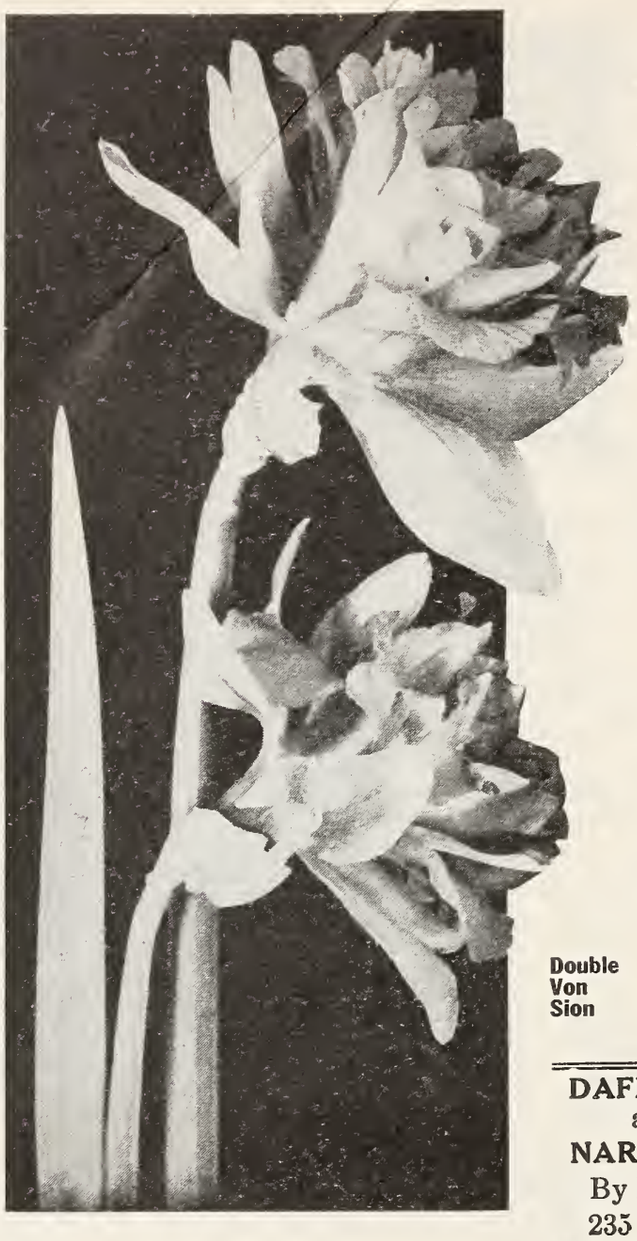
A Species of Narcissus distinguished by Rush Like Leaves

Very popular on account of their easy cultivation and very fragrant, golden yellow blooms, which remain a long time in perfection. Easily grown in the house or open garden. Half a dozen bulbs can be put in a five-inch pot, and with the same treatment as recommended for Hyacinths a fine display can be produced from January to April.

For garden display nothing is finer, they are lasting, flower freely, are deliciously perfumed, and of a beautiful golden yellow; best of all they are inexpensive and should be planted freely.

JONQUIL CAMPERNELLE RUGULOSUS—Improved giant Jonquil, broadly imbricated perianth, wrinkled cup, beautiful rich yellow.
Each, 3c; doz., 30c; 100, $1.75

JONQUIL CAMPERNELLE RUGULOSUS PLENUS—Double yellow flowers of great beauty on tall, graceful stems.
Each, 5c; doz., 50c; 100, $3.60



Double Von Sion

Double Daffodils

VAN SION—(**Telamonius Plenus**) (2) — **"The True Double Yellow Daffodil."** Rich golden yellow perianth and trumpet. This is the old favorite so highly prized and deserves to be planted in quantity where it can remain undisturbed for several years. It will then thrive and bloom in increasing profusion every spring and is also one of the best winter flowering and forcing sorts, immense quantities being used for this purpose.

Each, 5c; doz., 50c; 100, $3.25

VAN SION—Double nose, extra large bulbs.

Each, 6c; doz., 60c; 100, $4.00

SILVER (SULPHUR) PHOENIX—(3) — Very large flowers; pale creamy white, shading to primrose. One of the finest varieties for pot culture, and makes a splendid cut flower.

Each, 5c; doz., 50c; 100, $3.25

ALBA PLENA ODORATA—(6)—**"The Double White Poet's Narcissus."** — Double, snow-white flowers, exquisitely scented; late flowering; cannot be forced.

Each, 3c; doz., 25c; 100, $1.60

ORANGE PHOENIX—(3)—(**Eggs and Bacon**)—Beautiful double white flowers, with orange center; splendid for pot culture, cutting and garden planting. **Each, 5c; doz., 45c; 100, $2.85**

DAFFODILS
and
NARCISSUS
By Kirby.
235 pages.
$1.10 postpaid.

Poeticus Varieties

POETICUS VARIETIES—These are among the most beautiful of all spring flowering bulbous plants. The large, single blossoms, 2 to 2½ inches across, are of a snowy whiteness, intensified by the exquisite golden colored cups, ringed like a pheasant's eye, with red and green. The flowers are gracefully poised on long, stout stems, adapting them for vases. They are especially valuable for garden planting. If allowed to remain undisturbed, they thrive, spread and improve every year.

GLORY—(4)—The new Poeticus, largest of the type. Snowy white, perfectly formed petals; a flower of great beauty, with every good quality.

Each, 8c; doz., 75c

POETICUS (Pheasant's Eye)—(5)—Pure white flowers, orange cup, edged with red. Very useful for cutting in spring, as they can be planted in borders out of doors, where they are perfectly hardy, and will bloom year after year. **Does not force.**

Each, 3c; doz., 25c; 100, $1.25

POETICUS ORNATUS — (4) — (**The Improved Poeticus**)—Pure white cup, edged with scarlet, much finer in form and earlier than Poeticus. A magnificent cut flower. **Largely used for forcing.**

Each, 3c; doz., 25c; 100, $1.25

Poeticus "Glory"

REMINDER **Narcissi** once planted increase in Numbers and Beauty each year. They are a permanent improvement.

"Chalice Cupped" or Star Narcissi

BARRII AND LEEDSII, are types of this class of hardy, vigorous, free flowering Narcissi. They also force well, are inexpensive and most beautiful. Be sure to plant them.

Barii Types

BARRII CONSPICUUS—(4)—The finest of this class; long-stemmed flowers, with beautiful broad-petaled perianth; sparkling canary yellow, with deep golden cup, richly edged with orange scarlet. First-class certificate. R. H. S. **Each, 3c; doz., 30c; 100, $1.75**

FLORA WILSON—(4)—Pure white perianth, yellow cup, edged orange scarlet, a striking beauty.
Each, 6c; doz., 60c; 100, $3.85

"Flora Wilson"

Leedsii Types

The varieties listed below are among the most charming and beautiful of this lovely class; their dainty, graceful flowers are freely borne on long stems, and are very lasting; they are hardy, vigorous growers and low in price; once planted in the open ground they will thrive and increase for years, requiring no special attention. They also make most satisfactory pot plants.

LEEDSII WHITE—(Type)—Silvery white, very free flowering. **Each, 3c; doz., 30c; 100, $1.75**

MRS. LANGTRY—(4)—A remarkable, free flowering variety, with broad white perianth and large white cup edged yellow. First-class certificate. R. H. S.
Each, 4c; doz., 35c; 100, $1.90

FRANK MILES—(3)—Large, soft, clear yellow; petals gracefully curved and twisted.
Each, 5c; doz., 50c; 100, $3.15

QUEEN BESS—(1)—Pure white perianth, bright yellow cup, large and very early.
Each, 3c; doz., 30c; 100, $1.80

Miscellaneous Spring Flowering Bulbs

Anemones

Anemone Fulgens

Scarlet Wind Flower, extra large, splendid for winter forcing or early spring flowers; a profuse bloomer, lasting well when cut.
Doz., 35c; 100, $2.50

ANEMONE DE CAEN—Giant French Poppy Anemone. All colors. **Doz., 35c; 100, $2.50**

Giant St. Brigids

NEW-GIANT ST. BRIGIDS—A new race of Anemones far superior to any hitherto known. Flowers come double, semi-double and single, from 3 to 5 inches across and in many varied and brilliant colors, long stems, free blooming. Planted inside in the fall will flower during the winter or can be planted in open ground after danger of frost has passed. Try them.
Each, 4c; doz., 40c; 100 $2.50

SEE PAGE 45 FOR COMPLETE LIST OF ROSES

MISCELLANEOUS SPRING FLOWERING BULBS—Continued.

Scillas

SCILLA SIBERICA—This is one of the prettiest of early spring blooming bulbs, of dwarf habit, with sprays of exquisite rich blue flowers. Grown in masses in conjunction with Crocus, Chionodoxas and Snowdrops, the effect is charming; fine for forcing.
Each, 3c; doz., 25c; 100, $1.50

SCILLA CAMPANULATA—A beautiful spring flowering bulb, producing, before the leaves appear, spikes of bell-shaped flowers in blue, white and pink.

Alba Maxima, Blue Queen, Rose Queen.
Each, 4c; doz., 35c; 100, $1.50

NEW—Sky Blue and Excelsior.
Each, 5c; doz., 50c; 100, $3.00

SCILLA NUTANS—Alba Major—Blush Queen—Major, Blue. **Doz., 25c; 100, $1.50**

Ranunculus

Among dwarf flowers these are unrivaled for lovely form and bright attractive colors, ranging through gorgeous shades of white, crimson, yellow, purple and black, many of them being beautifully marked with other shades. They flower profusely in pots in the house during the winter.

TURBAN, MIXED—Paeony-formed flowers, large and early, vivid colors and compactly double.
Each, 3c; doz., 25c; 100, $1.00

GIANT FRENCH, MIXED—Immense and gorgeous, loosely formed double flowers.
Each, 3c; doz., 25c; 100, $1.00

PERSIAN, MIXED—Rose-shaped flowers, very double and rich.
Each, 3c; doz., 25c; 100, $1.00

Erythronium (Dogtooth Violet)

DENS CANIS GRANDIFLORA, MIXED—Fine hardy plants with charmingly variegated foliage, bearing lily-like blossoms of different colors; prefer moist situation with partial shade; grow well in pots for winter blooming.
Each, 5c; doz., 40c; 100, $2.50

Snowdrops—Galanthus

The first flower to bloom in the spring, producing small but beautiful white blossoms before other outdoor plants are started. Plant about one inch apart in borders, beds or in clumps in the lawn, setting two or three inches deep. They come up from year to year and need not be disturbed until they become crowded.

SNOWDROP ELWESI (Giant Snowdrop)—Single. **Two for 5c; doz., 25c; 100, $1.25**

SNOWDROP—Double.
Each, 3c; doz., 30c; 100, $2.00

Solomon's Seal—Smilacena Racemosa

Our native wild flower; exceedingly ornamental, both in foliage and bloom. Grows about 3 feet high and bears pendant creamy white flowers in May and June. Prefers shady situation.
Each, 25c; doz., $2.50

Sparaxis

A beautiful class of bulbs allied to the Ixias, and requiring the same treatment, producing spikes of flowers of the most exquisite and brilliant flowers.
Very fine mixed. Each, 3c; doz., 25c; 100, $1.25

Ixias

The Ixia is a beautiful little flowering bulb, with low, slender, graceful spikes of bloom. The colors are rich, varied and beautiful. Culture same as Hyacinths.

Named Varieties, Mixed.
Each, 3c; doz., 30c; 100, $1.50
Fine Mixed. Each, 3c; doz., 25c; 100, $1.25

Muscari Botryoides

GRAPE HYACINTHS—Very pretty early spring blooming bulbous plants, succeeding well in almost any soil or situation. White, blue, light blue. **Each, 3c; doz., 25c; 100, $1.00**

"HEAVENLY BLUE"—New Grape Hyacinth of distinctive type and rare coloring, delightfully fragrant, extra large, fine as a cut flower or for massing in border.
Each, 4c; doz., 30c; 100, $1.50

Muscari Plumosus

FEATHERED HYACINTHS—An odd and interesting variety bearing spikes of beautiful purple flowers; hardy everywhere.
Each, 3c; doz., 25c; 100, $1.15

Chionodoxa

They produce flower spikes bearing lovely Scilla-like flowers. They are perfectly hardy, and may be planted as an edging to a bed, or in masses; they flower with the Snowdrops and last a long time in perfection.

LUCILLIAE—Bright blue with large, clear white center.
Each, 3c; doz., 25c; 100, $1.50

Trillium—Native Wood Lily

Beautiful and satisfactory flower for hardy border, in shady, moist situation, flowering early in the spring.

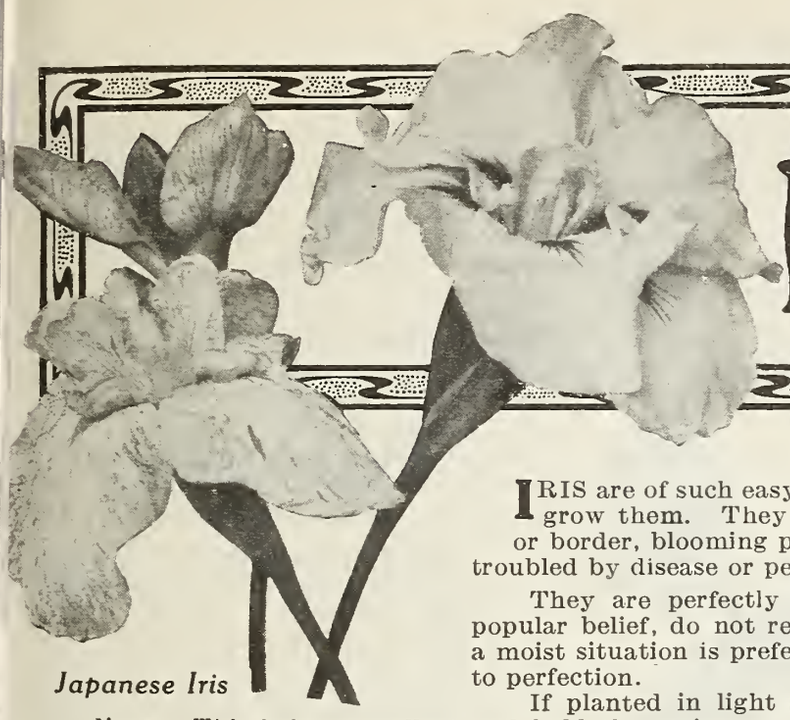
GRANDIFLORIUM—White; choice bulbs.
Each, 10c; doz., $1.00

Allium

NEAPOLITANUM—An excellent variety for winter flowering, extensively forced by florists for cut flowers. Its flower stems are 20 inches high, supporting a large cluster of delicate white starry flowers; sure to bloom splendidly in any window.

NEAPOLITANUM
Each, 3c; doz., 25c; 100, $1.00

MIXED COLORS, Each, 3c; doz., 20c; 100, 85c



IRIS

Japanese Iris

IRIS are of such easy culture and rare beauty that every one should grow them. They make a magnificent display either in clumps or border, blooming profusely and increasing rapidly, and are rarely troubled by disease or pests.

They are perfectly hardy in the open ground, and contrary to popular belief, do not require more water than other plants, although a moist situation is preferred, but any good garden soil will grow them to perfection.

If planted in light soil, depress the beds a little below the surroundings. This helps to collect and hold the moisture. Plant Fall or early Spring.

Japanese Iris (Iris Kaempferi)

Japan Iris is the largest and most wonderful of the Iris family, no flower of any kind surpassing its rare beauty of form, brilliance and variety of coloring, ranging from snow white through maroon, violet and deep blue; striped, variegated, veined and blended in the greatest profusion, producing effects that are truly marvelous and indescribable. Blossoms early summer. Japan Iris succeeds best in moist location, but will thrive in any good garden soil. Plant three inches deep, about 4 inches apart; divide the clumps every two years. Fertilize established beds while dormant, using stable manure, but do not apply after growth starts. There are hundreds of varieties, from which we have selected the following:

Single Varieties

YOMO-ZAKURA—Light ground, densely veined and suffused purple.

O-YO-DO—Dark violet.

ISO-NO-NAMI—Silvery white, veined violet.

SHINOGO—White.

YJINO—Reddish purple, mottled and veined white.

NAMED VARIETIES.
Each, 20c; doz., $2.00; 100, $15.00.

Double Varieties

HANA-AOI—Bright violet blue shaded white to center.

OSHO-KUN—Navy blue, purple center, late.

WAKA-MURA-SAKI—Crimson, purple, blue shadings and blotches in center.

SENJO-NO-HORA—Mottled and veined, red, purple and white.

KUMOMA-NO-SORA—White, with a strongly marked sky-blue zone and mottled in the same shade.

YEZO-NISHIKI—Deep rich crimson, mottled and blotched white, 3 standards same color.

KUMA-FUNJIN—Purple overlaid with navy blue, 2 standards, very large orange blotches.

KUMO-NO-OBI—Dark lavender purple, large handsome flower, 3 petals.

MIXED, GOOD ASSORTMENT.
Each 15c; doz., $1.50; 100, $11.00.

Spanish Iris

Spanish Iris is the most useful and satisfactory Iris to grow, requiring no unusual condition or treatment to insure success, grows to perfection in any good garden soil. They are vigorous and hardy, early and free-blooming, keeping well when cut; can also be forced easily, being great favorites with florists.

Spanish Iris comes in the most delicate and beautiful shades and colors from white through dainty blues to lavender, dark blue pure rich yellow, etc. Bulbs are inepensive and we urge you to plant freely.

Blooms in early June two weeks before the English variety. The varieties listed are best of their colors.

BLANCHE FLEUR—A grand white flower of great substance. The best white for forcing or outdoor culture.
BRITISH QUEEN — Pure white magnificent flower of large size.
BRONZE QUEEN—The finest terra cotta. Distinct shade. Very beautiful.
CAJANUS—A magnificent tall golden yellow, free-blooming, good keeper; best yellow Iris in cultivation, either to force or to grow outside.
DARIUS—A pleasing light blue—earliest of all.
EXCELSIOR—Light blue. Latest blooming of Spanish Iris varieties.
HERCULES—Beautiful dark bronze flowers of splendid form. A pleasing addition to Iris collections.
COUNT OF NASSAU—The finest dark blue Iris. Has an agreeable honeysuckle perfume.
KLONDYKE.—Rich deep yellow; very early and extra fine.
LOUISE—A beautiful shade of light blue, large, splendid flower.
SULPHUR BEAUTY.—A splendid new light yellow of great merit.

FINEST NAMED VARIETIES.
Each, 3c; doz., 30c; 100, $2.00

MIXED, SELECT, ALL COLORS.
Each, 3c; doz., 20c; 100, $1.50

German Iris

German Iris is one of the best of the early spring flowers, is hardy everywhere, and if planted in a moist situation or watered freely, will produce magnificent orchid-like blooms of great size and delightful fragrance. Comes in charming color effects in **blues, browns, yellows, purples, white.**

CELESTE—Satiny blue.
FLORENTINE ALBA—White.
PALLIDA DALMATICA—Extra large, lovely true lavender, delightful fragrance, free flowering, fine for massing or as a cut flower.
MADAME CHERAU—Large white, dainty frilled blue edge.
MAORI KING—Rich deep yellow.
SPECTABILIS—Violet purple.
SHAKESPEARE—Bronze violet.
MARS—Light yellow and cream.

Prices: CHOICE ROOTS Each, 15c; doz., $1.50; 100, $10.00.

PAEONY DAHLIAS are best for garden effects. They also have long stems and keep well when cut.
SEE PAGE 36.

Paeonies

Double Herbaceous

THE development and increase in popularity of the Peony has been unparalleled among flowers, and the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit, and easy culture, render them one of the most popular hardy plants grown for lawn and garden decoration.

Paeonies are always free from disease and insects do not bother them. They are hardy, thrifty growers, bloom freely, and nothing will add more to the beauty and attractiveness of the lawn.

Hardy Phlox

One of the most beautiful and satisfactory perennials. We offer a superb collection.
SEE PAGE 26.

FESTIVA MAXIMA.—This superb variety is easily the most popular and valuable Paeony. Its flowers, of rare beauty and great size, are perfectly double, pure white tipped or flaked with a small crimson spot at center; petals fine as summer silk; finest white in cultivation; strong roots. **Each, 75c; large specimen plants, $2.00.**

DELICATISSIMA.—Light rosy apricot, sometimes margined carmine red. **Each, 40c.**

COURONNE D'OR—A superb white flower of immense size, reflects yellow, center petals bordered carmine, a perfect flower of great beauty, very fragrant, free blooming and vigorous; late. **Each, 75c.**

MAD. BREON—A beautiful variety with good growing qualities; flowers outside flesh, center lemon, occasionally carmine tipped when first open; entire flower gradually changing to pure white. **Each, 60c.**

DELACHEI—Large full flower of a deep rich crimson, purplish tone; a free blooming thrifty grower, very fragrant; medium to late. **Each, 35c.**

OFFICINALIS RUBRA—Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine. **Each, 30c.**

OFFICINALIS ALBA—Blooms with Officinalis Rubra; flowers large and handsome. When Alba first opens it is light pink, fading to white as flowers get older. **Each, 30c.**

OFFICINALIS ROSEA—Beautiful bright pink globular flowers, blooms with Officinalis Alba and Rubra. These splendid early bloomers produce fine flowers for Decoration Day. **Each, 30c.**

MAD. DE VERNEVILLE—Broad outside petals, sulphur white, with center rosy white, sometimes edged carmine, and beautifully imbricated; an exceptionally fine full flower, with the sweet fragrance of the rose. One of the earliest. **Each, 50c.**

POTTSI-ROSEA.—Rich deep rose, lighter center. **Each, 40c.**

FRAGRANS.—Late; color deep rose; fragrant and a very prolific bloomer; tall grower. **Each, 40c.**

QUEENS PERFECTION.—One of the finest of the creamy flesh whites, large, full and attractive. **Each, 40c.**

Paeony Moutan

(Tree Paeony)

Grows about four feet high, forming a small tree-shaped shrub. When this plant becomes well established and is covered with dozens of massive blooms it presents a magnificent display. We have **Crimson, Pink, Scarlet, Rose and Variegated.**

STRONG IMPORTED ROOTS, from January to May, by express at buyer's expense (too heavy to mail). **Each, 75c.**

BEGONIAS—Tuberous Rooted

FROM their early first blooming until cut down by frost, Tuberous Begonias display a mass of bloom of most gorgeous and brilliant coloring. They are distinct and unique, in wonderful shades of yellow bronze, white, reds, pinks, with thick waxy petals and grand ornamental foliage, never failing to excite the wonder and admiration of all who see them.

CULTURE.— The soil should be rich in leaf mould, or well-rotted manure, a little sand being beneficial. Start the bulbs inside in the early Spring, and transplant when danger of frost is past. They should be lifted in the Fall before frost, dried and stored in sand in a cool place.

Single Frilled Begonias

Single Flowering

These are of immense size, free blooming and very lasting.
Each, 10c; doz., 85c; 100, $6.00

Double Flowering

Often as full and beautiful as a rose, some of the white varieties resembling giant carnations. Price, separate colors:
Each, 15c; doz., $1.50; 100, $10.00

Frilled

Single frilled, having a heavy frill or fringe on the edges of the petals. **Each, 20c; doz., $2.00; 100, $15.00**

OUR DIAMOND MIXTURE, containing all of above sorts.
Per doz., $1.50; 100, $10.00

A good way to start Begonias and Gloxinias is to put the bulbs on a layer of moss in a box or flat, and cover with another layer. Keep moist, but not too wet; temperature about 70 degrees; this starts both top and roots; then pot for root development before transplanting outside.

Water Lilies

THESE beautiful and interesting plants can be easily grown in tubs made by cutting a barrel in half and setting one or both halves deep in the ground, to within a few inches of the top. Put in good loam soil, with one-third old manure, or better still is the soil from a swamp or lowland, using one-third of old, well-rotted manure; cover soil with a layer of sand one to two inches deep, allowing for a depth of six inches of water.

Water Lilies like a mild temperature, and still water, and will not succeed where a fountain is playing or where there is a strong or cold inflow.

NYMPHAE.— Hardy white.
Single roots 35c, postpaid.
Large roots, 75c to $1.50, prepaid.

NYMPHAE.— Hardy yellow; fragrant.
Single roots, 50c, prepaid.
Large roots, $1.50, prepaid.

Parrots Feathers

Produces long trailing sprays of lovely green, finely cut foliage set in symmetrical whorls; plant in a water tight vase or hanging basket, keeping water standing over the surface. A beautiful, thrifty growing, hardy plant. Try it.
Good roots, each, 25c; doz., $2.50.

Mastodon Pansies

"Mastodon Pansies" in Bloom

From March until June we offer our famous "Mastodon" Pansy plants in full bloom—none finer in the world. Put up one dozen in a basket.

Price, 60c to $1.00 per basket by express, buyer to pay charges. They will surprise and delight you.

Giant Pansies

NEW GIANT PANSIES.— Our Giant Plants are in a class of their own and can not be compared to any other Giant Pansies, no matter where grown. We know they are unsurpassed in this or any other country. A trial basket will convince you. They are the best value ever offered in a bedding plant.

Each, 5c; per dozen, 50c; by mail, 75c dozen.

MASTODON PANSY SEED

We offer a limited amount of this hand selected seed, DIAMOND MIXED

Per pkt., 25 cents **Large Trade pkt., $1.00**

For Complete List of Spring Flowering and Bedding Plants see **General Catalog**

WE offer a splendid list of Ferns, including some of the newest varieties as well as the older sorts. All plants are in fine growing condition, and well rooted. Florists wishing stock of the new varieties write for prices.

Nephrolepis or Boston Ferns

Price small plants, 25c; from 4 in. pots, 60c; 5 in. $1.25, postpaid.
Specimen plants, $1.50 to $3.00 F. O. B. Portland.

N. AMERPOHLII.— This charming "Lace Fern" is so finely "crested" as to have a fluffy lace-like appearance, and is the most beautiful and attractive "sport" from the Boston Fern; an ideal plant for house or table decoration.

BOSTON FERN.— This is the original and well known type of "Sword Fern."

N. ROOSEVELT.—Resembles Boston Fern, produces many more fronds, making a bushier and handsomer plant.

NEPH. TUBEROSA PLUMOSA—Much hardier than other varieties of the Boston Fern. The pinnules are of light color giving the long narrow fronds a beautiful effect on account of the two distinct shades. Splendid addition to fern collections.

SCOTT FERN.—(*Nephrolepis Scottii*)—Identical with the original Boston type, but is dwarfed with a more compact and bushy habit of growth.

OSTRICH PLUME FERN.—(*Nephrolepis Whitmani*). One of the most wonderful and beautiful introductions of the present age; this new sort is a sport from the well known Boston Fern; has a beautiful feathery appearance, and is one of the grandest of decorative house plants.

TEDDY JUNIOR—The new Dwarf Fern. A sport from the famous Roosevelt Fern, and while it retains all the valuable characteristics of the parent plant, the fronds are shorter. Is very compact in form, a vigorous and rapid grower, producing about four times as many fronds as any other fern ever introduced, making it a valuable table decoration or pedestal plant.

New and Popular Ferns

ASPARAGUS PLUMOSUS.—(Climbing Lace Fern). A finer and more delicate plant than the Sprengerii, but hardy and easily grown; the fronds retain their freshness for weeks when cut; fine for floral decorations.
Nice plants, each, 15c; large plants, 25c to 50c.

ASPARAGUS SPRENGERII.—(Emerald Feather) Handsome and valuable evergreen trailing plant for the house or conservatory; its beautiful sprays of lovely green, feathery foliage can be cut freely.
Nice plants each, 15c; large plants, 35c to 50c.

BIRDS NEST (*Asplenium Nidus Avis*). A rare and beautiful fern with broad outer leaves; center curiously formed like a nest; color is deep green; an attractive pot plant for exhibition.
Specimens from 4-inch pots, $1.50, postpaid.

FOR FERN DISHES.— Attractive assortments, sufficient for 5 to 6 inch pans.
75c to $1.00, postpaid.

MAIDEN HAIR.—(*Adiantum Croweanum*). This is the hardy Maiden Hair Fern so valuable to florists for cutting, grows freely under almost any condition inside; it is a sure grower.
Good plants from 4-inch pots, $1.00 postpaid.

CYRTOMIUM ROCHFORDIANUM.—Foliage of a rich deep glossy green color; the leaflets besides being wavy, are also deeply cut or toothed; valuable for a dish fern and for decorative work.
Prices: Small plants, 25c; from 4-inch pots, 60c, postpaid.

Japanese Fern Balls

DIRECTIONS FOR STARTING.— Place ball in water for 15 minutes, and then suspend in any desired position, or place in a shallow dish; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun.
Price of Balls in dormant state, large size, each, 75c; small, 50c.

SPECIAL—Six Fine Table Ferns for $1.00

Price 20c each; 6 sorts for $1.00. Extra large plants, 40c each, postpaid.

ADIANTUM CUNEATUM.— Maiden Hair Fern. A very beautiful and graceful fern.

ASPIDIUM TAUSSIMENSE.— Without question the most valuable of all ferns yet introduced for fern dishes; of strong but dwarf and graceful habit.

BOSTON FERN.— See description above.

CYRTOMIUM FALCATUM.—(The Holly leaved fern). One of the most desirable; with hardy, dark green foliage.

PTERIS CRETICA ALBO-LINEATA.—A pretty and useful variegated variety, distinctly showing the clear white variegation.

OSTRICH PLUME.— See description above.

HARDY FERNS—For Shady Borders and Rock Work

PRICES: Nice plants, 25c and 50c each. Trial Collection, $1.25, postpaid.

EVERGREEN WOODFERN.—(Dryopteris Marginalis)—Marginal shield fern; most valuable of the hardy evergreen ferns for garden.

QUEEN OF LADY FERNS.—(Asplenium Victoriae)—A vigorous rapid grower; one of the best of the "Lady Ferns."

NATIVE OREGON SWORD FERN.—Makes imposing specimens in borders or in tubs. Prefers partial shade.

HARTS TONGUE.—(Scolopendrium vulgare)—Easy of cultivation; very distinct and attractive.

FIVE FINGERED LADY FERN.—(Adiantum Pedatum)—Most graceful and beautiful hardy maiden hair fern.

POLYSTICHUM VIVI QUARA.—A rare and wonderful fern of great beauty, the long, graceful fronds having a fine mossy coat, from which miniature ferns, exact counterparts of the parent plant, spring in great profusion, and after getting well started can be removed and potted.

Palms and Ornamental Plants

PALMS lend to their surroundings an atmosphere of elegance and completeness, and with proper care will thrive in any home, making the most magnificent and useful decorative plants.

CARE OF PALMS.— Good garden loam, with a little sharp sand, is the best soil for palms, and good drainage is of first importance — do not keep a palm too wet. If you set the pot in a jardiniere put some thing under the pot to let the water drain through. Never let the water stand around the bottom of the pot. Water thoroughly, but let it drain off, then when the soil begins to look dry give another good wetting. It is important to keep the soil of any pot plant moist — clear through — but not wet like mud One other important point: Soil must have light; palms and some plants would do well without strong light, but the soil would soon sour and fail to nourish them, therefore, when not actually in use keep them as near the windows as possible, but not in the hot sun.

Bone meal is the best fertilizer; a tablespoonful to a 7-inch pot is a good portion. Dig well into the soil. Apply when new growth shows. Do not repot as long as they are doing nicely. And when you do, transfer gently to the larger pot and fill the soil around the roots, disturbing them as little as possible. Palms do best in comparatively small pots. Shower them with water twice a week and should they show signs of scale, wash with strong soap and water or kerosene emulsion (a pound of soap melted with a half pint of kerosene thoroughly stirred into it) Dilute this with ten parts of water and apply with a cloth or brush.

Choice Palms for Table and House Decoration.

PHOENIX ROEBELENII.—A new and graceful miniature "Phoenix" fully equaling in beauty the Cocos Weddeliana, hardy as the Kentia. Of vigorous, bushy growth. **Price, choice plants from 4-inch pots, 60c to $1.00.**

KENTIA BELMOREANA.—A beautiful, strong growing Palm with deep green, crisp foliage; inclined to dwarf and spreading habit; one of the most popular for house culture, as they are very hardy. **Small plants, 50c to 75c. Large plants, 18 inches up, $1.50 to $5.00 and up.**

RHAPIS HUMILIS — Rare ornamental Palm with slender, graceful leaves; very handsome and attractive; an excellent decorative variety, requiring very little sun. **Each, $1.50 to $5.00 up.**

CHAMAEROPS EXCELSA (See cut No. 3) — Leaves fan shaped, deeply cut; one of the hardiest Palms we have and worthy of extensive culture; very handsome palmate leaves. **Choice plants, 18 inches and up, each, $1.50 to $3.00.**

CYCAS REVOLUTA, SAGO PALM (See cut No. 1).—Valuable for lawn and house decorations; they have a thick trunk, and their heavy, glossy, deep green pinnate leaves resist alike the gas, dust and cold to which decorative plants are frequently exposed; fine plants, 18 inches and up. **Each, $2.00 to $5.00 and up.**

LIVISTONIA CHINENSIS (See cut No. 4)—A useful Palm for decorative work, for apartments or conservatories; leaves large, fan shaped, of a rich dark green color: graceful and quick growers, 12 to 18 inches. **Each, 75c to $1.00.**

CHAMAEROPS FORTUNEI—(See cut No. 2.)— A handsome Palm, similar to the above, more dwarf in growth and with smaller leaves. Choice plants, 18 inches up, **Each, $1.50 to $3.00.**

COCOS WEDDELIANA — The most graceful of all Palms; finely cut foliage of rich deep green; we have fine plants of this most desirable Palm. well established in 4-inch pots, 5 to 7 leaves. **Each, $1.00. Nice specimen plants, $2.50 up.**

DRACAENAS

D. INDIVISA — This is the popular hardy Dracaena that is used so extensively for centers of vases, baskets, boxes, etc. Of graceful form. and stands full exposure to sun. **4-inch pots 35c; 5-inch pots, each, $1.00.**

D. GRACILIS.—Graceful foliage; plant having a red stripe on slender green leaf; smaller grower than D. Indivisa. **Each, 50c to $1.00.**

UMBRELLA PLANT

CYPERUS, (Alternifolia) — A splendid house plant of easy culture; resembles a palm; requires little or no attention, and remains green throughout the year. Keep well watered. **Small plants, postpaid, each, 15c to 25c. Large plants, by express, each, 35c to $1.00.**

PANDANUS VEITCHII

Graceful foliage plant; broadly striped cream on green ground; one of the finest decorative house plants. **Each, $1.00 and $1.50.**

ASPIDISTRA

Ornamental foliage, plant throwing up shoots which unfold, developing into long, graceful leaves; color a beautiful dark glossy green; give same treatment as hardy palm.

VARIEGATED.—Rich, creamy markings, **$1.50 up.**

RUBBER PLANT

FICUS ELASTICA.—This is certainly one of the best plants grown for decorative purposes; it succeeds well with ordinary treatment.

Large plants, each, $1.00 to $1.50 up.

"DIAMOND PLANT FOOD" for Palms and Pot Plants. **½ lb. Pkg. 15c; 1 lb. 25c. Postage extra.**

GLADIOLI

EACH SEASON adds to the list of magnificent, new and improved Gladioli, and the great beauty and attractiveness of the flower. Their exquisite coloring, vigor, ease of cultivation and freedom from insect pests and diseases are making them universal favorites that should have a place in every garden. They grow to perfection in any good garden soil, requiring little moisture, and come into bloom at a season when there are few other flowers. Once planted, they can be increased rapidly.

CULTURE.—Gladioli may be planted as early as the ground can be worked or as late as June. A sunny situation is preferred. Plant to a depth of 3 to 6 inches, depending on the size of the bulb. Largest bulbs are not always best, as some varieties do not produce large bulbs. Any garden soil will give satisfactory results, but if well enriched, cultivated and freely watered when buds first show, Gladioli will amply repay you for this additional care. If cut when the first bud opens and put in water, the flowers will open perfectly, keep for many days, and the coloring is richer, and more delicate, than if left to open on the plant.

10 Beautiful New Gladioli

SPECIAL (for trial)—Entire Collection, 10 Bulbs, $1.85, postpaid.

EUROPA.—Snow white without a trace of color or shading, the most sensational flower of its class ever produced. Special awards at every European show where exhibited. A grand flower of great beauty and substance. **Each, 25c.; doz., $2.50.**

GOLDEN KING.—Bright sulphur yellow with an intense crimson patch on the lower petal. One of the very best yellows. **Each, 30c.; doz., $3.00.**

HALLEY.—Salmon pink with creamy white blotch. Large flower and early bloomer. **Each, 10c.; doz., $1.00.**

JANE DIEULAFOY.—Creamy white, lower petals stained maroon. A shapely and attractive flower. **Price, each, 15c; doz., $1.50.**

MRS. FRANK PENDLETON.—A clear brilliant salmon pink with bright blood-red blotch in throat, on lower petal. A truly superb flower of largest size, opens freely and keeps well and is considered one of the most valuable and beautiful new Gladiolus. Highest awards at the Boston and Baltimore shows. **Price, each, 35c; doz., $3.00.**

NIAGARA.—The color is a lovely deep cream, shading to a canary yellow on the two lower inside petals. The giant flowers, carried on a large, erect spike, open freely and contrast beautifully with the broad, dark green foliage. "Niagara" won certificates of merit from the Massachusetts Horticultural Society, Boston, and the Dutch Bulb Society of Haarlem, Holland, and open class award of the American Gladiolus Society. **Each, 20c.; per doz., $2.00**

PANAMA—A new seedling of America, identical except in color, which is much deeper pink than America. Spike long and the large flowers are well arranged and bloom out freely. A prize-winner everywhere exhibited. **Price, each, 20c; doz., $2.00.**

WAR—A deep rich velvety crimson self color; large shapely flowers. Many consider "War" the most striking Gladiolus ever produced. **Each, 25c; doz., $2.50.**

WILLIE WIGMAN—A superb new variety, creamy white with red throat, large perfect flowers of the most pleasing type. **Each, 15c; doz., $1.50.**

PINK PERFECTION—A magnificent clear soft pink of great beauty. The large graceful flowers open freely, 6 to 8 showing at one time on long strong spikes. A single spike is a boquet in itself. The most wonderful pink ever introduced. **Each, 30c; doz., $3.00.**

Select Named Gladioli

SPECIAL.—Collection of 12 Varieties, $1.00, postpaid.
This splendid assortment contains many choicest new varieties and all represent the best of their class and color.

AMERICA—Exquisite shade of flesh pink tinted lavender. A grand giant flower, hardy and free blooming. **Each 6c; doz., 60c; 100, $4.00**

ATTRACTION—Deep crimson, white center. **Price, each, 7c; doz., 75c.**

GLORY OF HOLLAND—White with inner throat slightly marked red. Tall, graceful,free flowering—sometimes tinged delicate pink. **Each, 15c; doz., $1.50.**

CANARY BIRD—A pleasing bright yellow. **Price, each, 10c; doz., $1.00.**

"GLORY"—Color a delicate cream pink tint with an attractive crimson stripe in the center of each lower petal. Flowers large, paired and faced the same way, borne on strong stalks, 3½ feet high. from 4 to 8 flowers open at the same time, petals are exquisitely ruffled and fluted, giving the flower a refined, graceful appearance. **Price, each, 15c; doz., $1.25.**

BARON HULOT—The only true blue Gladioli; a dark indigo shade; very popular. **Price, each, 10c; doz., $1.00.**

Select Named Gladioli--Continued

INDEPENDENCE—Pleasing light scarlet flowers on long, straight spikes.
Price, each, 8c; doz., 75c.

KLONDYKE—Light yellow, crimson maroon blotch. **Price, each, 7c; doz., 65c.**

MRS. FRANCES KING—A pleasing light scarlet; fine for forcing. **Each, 8c; doz., 70c; 100, $4.00.**

PEACE—Large flowers of good form. Almost pure white; very strong grower.
Each, 15c; doz., $1.50.

PRINCEPS—Giant flowers of richest, most brilliant crimson, with fine white blotch on lower petal; the most striking and beautiful of the newer Gladioli; a great favorite with florists.
Price, each, 15c; doz., $1.25.

TACONIC—Bright pink marked with deep crimson and thin stripe of pale yellow. Strong grower. **Each, 15c; doz., $1.25.**

Mixed Gladioli

DIAMOND MIXTURE—Select named varieties with choicest Childsi Hybrids.
Each, 8c; doz., 75c; 100, $5.00

GLADIOLI CHILDSI—Of grand size and color, very showy, containing a large per cent of red and dark shades. **Each, 6c; doz., 60c; 100, $4.00**

GLADIOLI, FINE MIXED—This mixture will produce a large variety of fine flowers unequalled for the price. **Each, 4c; doz., 35c; 100, $2.50**

GLADIOLI, GROFF'S HYBRIDS—A mixture of Hybrids of all sorts, giving in one bed the greatest range of colors and variations.
Each, 5c; doz., 50c; 100, $4.00

GLADIOLI LEMOINEI—Mostly light shades, odd and fantastic markings. Brilliant and showy.
Each, 5c; doz., 50c; 100, $3.00

CANNAS

WE are extensive growers of Cannas, and the following sorts are newer and better types that will give best results in our climate. Cannas require a rich, moist soil and should not be planted until all danger of frost is past. They are quick growers and the new flowering sorts bloom continuously until frost. Inexpensive, these charming ornamental plants produce rich tropical effects that cannot be excelled, and the grand new varieties offered are equally valuable for the beauty of their bloom. Let us know your requirements. We can supply the correct variety.

☞ **Prices, except where noted: Bulbs or plants in season, each, 20c; dozen, $2.00, postpaid.**

ALICE ROOSEVELT—Deep crimson, compact green foliage; similar and superior to Alphonse Bouvier. Height 4 to 5 feet.

CARL LUTZ—New. A splendid bright rich yellow of finest form; foliage leathery and luxuriant. A fine, upright grower and profuse bloomer. Height, 3 ¼ feet.

DR. NANSEN.—Dwarf yellow Canna with green foliage. Used extensively for bordering larger beds, its height being about two and one-half feet.

FEURMEER—A magnificent clear bright red, flowers and spikes of large size and freely produced; foliage deep green. Height, about 5 feet. One of the very finest reds.

FIREBIRD.—New. Considered the best red-flowered, green-leaved Canna. Flowers are fiery, bright red, borne in immense trusses. Very effective when planted in large beds, tubs or single specimens. Height 4 feet.
Each, 75c; doz., $8.00.

FLORENCE VAUGHAN—We offer a new seedling of this most famous canna that is a distinct improvement in growth, vigor and bloom; the color and markings are about the same only more brilliant and beautiful; a deep, bright yellow mottled and marked with bright red. Green foliage. Height, 4 to 5 feet.

GLADIOFLORA.—Flowers are of unusual shape, strongly resembling a large Gladioli. Color is crimson, changing to carmine rose, edged with gold. Green foliage. Very attractive. Height three and one half feet.

GUSTAV GUMPPER.—A rich, clear golden yellow—best of its color—of splendid form and habit—the large flowers are freely borne and are well above the foliage. Height 3 to 4 feet.

HUNGARIA.—A beautiful soft rose pink—flowers in large trusses, early, freely, continuously—one of the most refined and attractive cannas ever introduced. Height 3½ feet.

KING HUMBERT—The mammoth flowers, in heavy trusses, are a brilliant orange-scarlet, with bright red markings, foliage is broad and massive and of a rich coppery bronze with brownish green markings; 5 to 6 feet.

MAID OF ORLEANS.—Large flowers of rich cream color shaded and mottled with pink. Bronze markings on the soft olive-green foliage make this variety one of the most attractive among the green-leaved sorts. Four and one-half feet.

METEOR.—Considered one of the best reds, being a deep dazzling crimson. Exceptionally free bloomer. Green foliage. Five feet.

MRS. ALFRED F. CONARD—Flowers are a superb salmon pink of large size borne very freely and continuously on large, erect spikes; very luxuriant green foliage; height about 4 feet.

MT. BLANC—A compact vigorous grower, producing a massive spike of large, pure white flowers carried well above the glossy green foliage.

ROSEA GIGANTEA—Finest of the new pinks, the rich, deep rose-colored flowers often measuring five inches across are borne in the greatest profusion, nothing finer has ever been offered; foliage green; 4 to 5 feet.

SAM TRELEASE—Improved.—Foliage green. Flowers are intense poppy red with narrow yellow line edging each petal. Shades gradually toward the throat to bright yellow mottled and striped with red. Three and one-half feet.

STUTTGARTIA—The large flowers are a brilliant orange-scarlet with bright yellow band and markings. Flower spikes strong and erect above the foliage which is broad leaved, dark green and very luxuriant. Height, 4 to 5 feet.

WABASH.—Sometimes called the "Bronze leaved Rosea Gigantea." The immense carmine-pink flowers combined with the deep purple-brown foliage make this an especially attractive variety. Height 4 feet.

WINTZER'S COLOSSAL.—This is without doubt the largest flowering Canna, the blooms measuring 8 inches across. The flowers are an intense vivid scarlet of the orchid flowering type, retaining their brilliancy under the hot sun. Foliage green. Height 5 to 6 feet.
Each, 25c; doz., $2.50.

Perennial Border and Bedding Plants

A select list of Border and Bedding plants, beautiful and useful varieties that are easily grown. Fine, large, well-rooted specimens that can be safely packed and promptly delivered in perfect condition. If you contemplate large plantings or special effects, let us know your plans and requirements. We can supply in any quantity for every requirement at lowest prices.

Perennial Phlox

HARDY as an oak, increasing in beauty each year, few things are as beautiful and satisfactory. The marvelous new colors, beautiful foliage and easy culture, make this choice flower one of the most desirable. We offer the following fine collection, which we have grown. **Price, each, 15c; doz., $1.50.**

R. P. STRUTHERS.— Tall, rosy carmine with claret-red eye; fine.

EUGENE DANZANVILLIER.— Tall, lilac, shading white towards the edges; large white center.

MRS. JENKINS.— Tall; the best tall early white for massing.

VESUVIUS.— Medium; one of the new seedlings; pure red with bright purple eye; a dazzling color.

SUNSHINE.— Dwarf; large, aniline-red with crimson-red eye and light halo.

GEO. A. STROHLEIN.— Medium bright scarlet with crimson red eye; does not bleach.

CARAN D'ACHE.— Medium; geranium-red with old rose shadings and white eye; very effective.

MME. PAUL DUTRIE.—Tall; a delicate lilac rose, reminding one of the beautiful soft pink Orchids.

ANTONIN MERCIE.— Medium; light ground color; upper half of each petal deeply suffused bluish-lilac, large white halo.

SELMA.— Tall; large flower; pale rose mauve with claret eye.

VON LASSBURG.— Medium; the purest white in cultivation; individual flowers larger than any other white.

CONSUL H. FROST.— Medium; pure red with bright French-purple eye.

COQUELICOT.— Fine flowering, scarlet, with crimson eye.

DIADEM.— Large flowering, pure white — dwarf

GOLIATH.— Truly a giant in growth; color, bright crimson carmine, deeper eye.

PHLOX DIVARICATA CANADENSIS.— Blooms early April, has large, beautiful lavender flowers; grows 10 inches high.

PHLOX SUBULATA—(Moss or Mt. Pink).— Early spring flowering, the foliage being covered with bloom; useful for carpet bedding, cemetery planting or rockeries.

Larkspur—Delphiniums

HARDY LARKSPUR.— One of the most beautiful and useful border plants; is a great favorite in the English gardens and their famous specialists have produced magnificent new varieties of rare beauty of form and exquisite coloring; vigorous, free-blooming and hardy. The following named varieties are among the best—and the hybrids are the selection of a famous specialist.

KING OF DELPHINIUMS. — Giant semi-double flowers, deep blue with white eye; a vigorous, free bloomer.

DUKE OF CONNAUGHT.—Large flower of bright velvety-blue with inner petals of rosy-lavender. The eye is nearly black which brings out the distinctiveness of this variety.

HANS DEKKING.—Very free flowering sort having flowers of a brilliant cornflower blue. One that should be in every collection.

LILICINA.—Delicate Lilac color. Inner petals tinged with rose. Extra large semi-double flowers. Three and one-half feet.

PERFECTION.—Sky-blue petals suffused with rosy-lilac. Semi-double. Branching habit. One of the very finest and most beautiful Delphiniums we have ever grown.

LIZZIE VAN VEEN.—Tall sort with immense single flowers of soft azure-blue with white eye. Very free flowering. Excellent for cutting.

MASTERPIECE.—Lovely deep gentian-blue and plum. Reflexed flowers of immense size. Very beautiful and quite distinct. Tall.

QUEEN OF LILACS.—Large semi-double imbricated rosy-lilac flowers. Four and one-half feet. Fine bedding variety.

TRUE BLUE.—Intense deep blue with black eye. Single flowered tall sort. One of the very finest.

DELPHINIUM FORMOSUM.— Dark blue with white center.

BELLADONNA GRANDIFLORA.—Clear, delicate turquoise, dainty and beautiful; a strong grower, always in flower.

PRICES— NAMED VARIETIES—Fine Large 2-year Clumps. Each, 25c; per dozen, $2.50.
MIXED—Each, 20c; per dozen, $2.00.

Oriental Poppy

The most brilliant and georgeous of all garden plants; is hardy and succeeds well in any good garden soil, blooming in May and June, they are dormant thereafter until cool weather. We offer two rare and beautiful new sorts, besides the standard red type and hybrids.

SALMON QUEEN.—Rich salmon pink with coppery orange suffusion; deepest purplish black center and markings. A rare and splendid flower of largest size; vigorous and free blooming.
Each, 25c; doz., $2.50.

KELWAYS HYBRIDS.—The graceful, bright-colored cup-shaped flowers are very attractive for garden or table decorations.
Each, 20c; doz., $2.00.

MAHONY.— A magnificent flower of the darkest richest color yet known in a poppy, almost a true dark mahogany. Large, free-blooming; a splendid companion to Salmon Queen.
Each, 25c; doz., $2.50.

ORIENTAL POPPY.—Red. The old time favorite. **Each, 20c; doz., $2.00.**

Hardy Perennial Garden Plants--Continued

Once planted require but little care and bloom with increasing beauty each year. Plants marked 15c, are $1.50 doz.; 20c, $2.00 doz.; 25c, $2.50 doz., F. O. B. Portland.

ALYSSUM SAXATILE COMPACTUM.— Bright yellow corymbs; showy Spring flowering plant, which also flowers in Autumn. **Each, 20c.**

ANEMONE JAPONICA.— Beautiful Fall blooming plants. Pink or white. **20c; 2 sorts, 35c.**

ANCHUSIA ITALICA.—Tall growing hardy plant, with pretty blue flowers in large racemes. **Each, 20c.**

AQUILEGIA HYBRIDA.—(Columbine). An old favorite for Spring and early Summer. Blue, violet, pink, Fine for cut flowers. **Each, 15c.**

ARABIS ALPINA.—(Rock Cress) Low growing. fine for borders. Covered in Spring with white blossoms. **Each, 15c; per dozen, $1.50.**

ARTICHOKE.—Ornamental garden plant, bearing edible buds that develop into giant thistle-like blooms. **Each, 15c; doz., $1.50.**

CANTERBURY BELLS.— **Pink, white, blue, large clumps. Each, 20c; doz., $2.00.**

CAMPANULA.—New Double White.—A dainty and beautiful flower, 2 to 2½ feet high, bearing spikes of large snow white, prettily formed, fully double blossoms. Pinch off the old flowers and the plant will bloom continuously. One of the best border or bedding plants ever offered. Each, 25c.

COREOPSIS. — (Golden Sunbeams). Beautiful golden-yellow flowers on long stems; always in bloom; fine for cutting. **Each, 15c.**

DORONICUM.— Early Spring flowering Marguerite-like yellow flowers. Fine border plant. **Each, 20c.**

ENGLISH PRIMROSE.— Finest sorts, from pure yellow to deepest crimson-maroon; early, low-growing, fragrant. **Each, 20c.**

GAILLARDIA GRANDIFLORA.—Splendid large flowers; combination coloring of yellow, brown, crimson, orange; height, 2 feet; bloom until frost; **fine for cut flowers; hardy everywhere. Each, 20c.**

GEUM.—(Attrocinium) A splendid bed or border plant—erect habit — 18 to 24 inches — bearing freely, dainty little double red flowers. **Each, 20c.**

GYPSOPHILA PANICULATA. — Single and double; thrives during driest weather; elegant rock plants and very useful for cut flowers. **Each, 20c.**

HARDY ASTERS.— Among the showiest of late flowering plants, blooming when most other flowers are past. **Each, 15c.**

HELIANTHUS SPARSIFOLIA.—Superb new single sunflower of striking beauty; blooms late in the season. A real gem among hardy plants. We especially urge you to give this a trial. **Each, 20c.**

HEUCHERA SANGUINEA.—Dainty alpine plant. Extremely hardy and easy to grow. Requires the shade of a rockery or fernery. The bell-shaped coral red flowers are similar in form to Lily of the Valley, borne on long wiry stems about 18 inches.

HOLLYHOCKS.—Hollyhocks require good soil, prepared by deep digging and working in well rotted manure; water during dry weather.

New Double and Single.—Red, yellow, pink, and white. **Each, 15c; 4 for 50c; large clumps, each, 25c; dozen, $2.00.**

MARGUERITE MRS. F. SANDERS—(Annual). Valuable for conservatory or window garden in late winter or spring; excellent bedding plant during summer months; color, pure glistening white, the full fluffy flowers frequently measuring 5 inches across. **Each, 15c; per doz., $1.50**

PLUMBAGO LAIPENTEA.— Fine edging plant growing four inches high and covered all Summer with sky blue flowers. Each, 15c; per doz. $1.50.

RUDBECKIA, Golden Glow.— Bears in greatest profusion immense, double blooms, large as Dahlias, of the brightest, golden yellow; hardy everywhere. Each, 15c.

RUDBECKIA NEWMANI.—(Black-eyed Susan). Golden yellow ray petals around a dark center. Fine cut flowers. **Each, 15c.**

SALVIA PATENS—A beautiful plant of the purest blue, blooming from June to October. Is not quite hardy and needs some protection. One and one-half to two and one-half feet. **Each, 25c.**

SHASTA DAISY.—(Alaska). This new "Shasta" is covered with immense, fluffy white blooms, with golden eyes, from July until late Fall; long stems; fine for cutting; one of our best hardy border plants. Each, 20c.

SWEET WILLIAM.— Old favorites for beds and borders. Brilliant and pleasing colors. **Each, 15c.**

VERONICA REPENS—(Creeping Speedwell).— Slender compact plant with blue flowers. Thrives in the sun where grass will not grow, covering the ground in a short time. Fine for rock work. **Each, 15c.**

VERONICA PROSTRATA.—Splendid for rock gardens and edges of borders; color deep blue. Blooms May to August. **Each, 15c.**

WALLFLOWER.—(Dark and Light; single and double; mixed), good subjects for rock garden and Spring bedding. **Each, 20c.**

Sweet Violets

Price each, 15c; 8 sorts, $1.00, Postpaid.

ALASKA.—A grand sort, well adapted to garden culture, enormous double flowers of a deep blue-black color and powerful fragrance.

BARONESS ROTHSCHILD.—Similar in color and form to Princess of Wales, but blooms more freely; single.

LADY HUME CAMPBELL.—Large double flowers of a beautiful light blue color; very free-blooming and exquisitely fragrant.

CALIFORNIA.—Very showy and beautiful flowers of enormous size, deep violet blue; deliciously fragrant; single.

PEACOCK.—A charming variety having beautiful white flowers shaded with light blue; single.

PRINCESS OF WALES.—Flowers single, of gigantic size; color a very rich shade of blue, and extremely fragrant.

MARIE LOUISE.—A constant bloomer, producing great quantities of large, double flowers, lovely deep violet purple.

SWANLEY WHITE.—The finest and best double white violet in cultivation.

Miscellaneous Flowering Plants

The following list includes many of the most useful and beautiful plants for Baskets, Porch Boxes; Bedding and House Plants.

ABUTILON ECLIPSE.— Handsome variegated foliage and bright pendant flowers of scarlet and gold colors. Fine for vases and hanging baskets. **Each, 15c.**

ABUTILON SAVITZI.— Elegant compact growing plant with pretty fringed foliage of a bright green color, distinctly edged with snow white. Equally desirable as a house plant as it is for bedding purposes. **Each, 15c.**

CINNAMON VINE.— A beautiful vine of rapid growth, suitable for porches, trellises, etc. One of the very best quick-growing vines. **Large roots, 10c each; 3 for 25c.**

GENISTA RACEMOSA.—(Shower of Gold). Elegant Spring blooming window plant, literally covered with golden yellow leaves. **Each, 15c.**

COLEUS.— Fancy Leaved — Coleus are the most important of all the fancy leaved bedding plants. They also make very fine pot plants, especially if you have a warm room to Winter them in. Our collection is strictly up to date. **Each, 10c; 6 fine sorts, 50c.**

GERMAN IVY.— Waxy green leaves, strong growing vine for window and porch boxes or for hanging baskets. **Each, 10c.**

LANTANA, RED AND GOLD.— Grows eight inches high and is covered all Summer long with large umbels of red and yellow flowers. Certainly a fine Summer flowering plant. **Each, 10c; 12 plants for $1.00.**

LOBELIA, KATHLEEN MALLARD.— Covered all Summer long with very large, double flowers of an intense deep blue color. Grand for planting near the edge of flower beds **Each, 10c; per dozen, $1.00.**

MESEMBRYANTHEMUM SPECTABILIS.— Quilled shaped, succulent leaves with large single thistle-like cerise pink flowers. Fine for baskets, vases or porch boxes. **Each, 10c.**

PRIMROSE.—(*Giant Obconica*). The freest flowering plant we know of, blooming continuously throughout the entire season. **Each, 20c.**

SALVIA.—(New Zurich). A distinct and attractive variety of compact dwarf growth, of neatly rounded form, closely set with stiffly erect spikes of bright scarlet flowers. **Each, 10c; per doz., $1.00.**

SMILAX.— For using as a green with cut flowers. Fine as a parlor or window plant. **Each, 10c.**

VINCA VARIEGATA.— Leaves are a glossy green, broadly margined a creamy white. The best of trailing plants for window boxes. **Each, 15c; 2 for 25c.**

VIOLETS.— Sweet scented double and single varieties. **Each, 10c; 3 for 25c.**

VERBENA.—(New Mammoth). The Verbena is, next to the Geranium, the most popular of all bedding plants. **Each, 7c; 7 asst'd colors, per dozen, 75c.**

WANDERING JEW—(**Tradescantia**).—White and Red Variegated. **Each, 10c.**

CYCLAMEN.—One of the most beautiful plants for pot culture producing an abundance of exquisite blooms. The foliage is also highly ornamental, thus making it valuable as a house plant even when not in bloom. White and shades of red and pink. **Each, 50c up.**

Popular Bedding Plants

During the months of April and May we have thousands of the following bedding plants, price per dozen by express at buyer's expense:

Alyssum	$0.30	English Daisies	$0.50	Lobelia	$0.30	Phlox	$0.30
Asters	.30	Forget-Me-Not	1.00	Marigold	.30	Salvia	.50
Carnations	.60	Geraniums	75c to 2.00	Mignonette	.50	Stocks	.30
Cosmos	.30	Heliotrope	.50	Petunia	.50	Verbena	.30

For description of these flowers, see Flower Seed Department of our Annual Catalog.

Six Beautiful Flowering Begonias

Price, 10c each; set of 6 sorts, 50c, postpaid.

ALBA PICTA.— A strong growing variety, with pointed dark green leaves; profusely covered with pure white spots. Pretty white flowers.

ARGENTEA GUTTATA.— Handsome erect growing sort, with pointed wine-colored leaves with silvery white spots; clusters of pure white flowers on the tips of the stems.

CUPREA.— A fine, erect Begonia, with dark, rough leaves. The panicles of unopened flowers are bright red with surfaces like plush.

FOLIOSA.— The freest-flowering Begonia we have. Makes a handsome window plant, with its glossy green leaves and bright pink flowers.

MARGUERITE.— Bronzy green, with purple cast; large trusses of cream and rose-colored flowers.

MARJORIE DAW.—Strong growing sort with glossy green leaves, producing large panicles of bright salmon pink flowers drooping gracefully about the plant.

REX BEGONIA

Grown for the beauty of their foliage. The leaves are large, variegated and margined with a peculiar silver-metallic gloss. The most ornamental of window plants; also useful in baskets and vases. We offer twenty of the most distinct and handsomely marked varieties.

Price, choice plants, each, 25c.

REX BEGONIA

New Heliotropes

Price, 15c each; set of 4, 50c, postpaid.

ALBATROSS.— Elegant dwarf, bushy growing, new variety of great merit; large panicles of pure white flowers in great profusion all season: the best white variety to date.

HEAVENLY BLUE.— Large, close panicles of exquisite light blue flowers, with a white eye. Grows vigorously and flowers abundantly; very fine for bedding, for which purpose we offer it at $1.00 per dozen.

LAVENDER QUEEN.— Enormous florets, very large trusses of bloom; color, a beautiful shade of lavender, suffused with rosy mauve. A dwarf, robust grower and a free and continuous bloomer.

ROYAL PURPLE.— Very large and fragrant; color deep violet purple, with white eye; very florif-erous and can not be too highly recommended for bedding, for which purpose we offer it at $1.00 per dozen.

Free Blooming Fuchsias

Price, 10c each; set of 6 sorts, 50c.

ANNA EARLE.— Tube and sepals waxy white; corolla single, clear carmine; plants splendid and free blooming.

DR. BROOKS.— Rich, dark blue corolla, with crimson petals. A beautiful variety.

MOLESWORTH.— Fine, large and elegant form, sepals long and reflexed, pure red; corolla large double white.

GENERAL ROBERTS.— Flowers very large; corolla plum color; tube and sepals crimson.

JUPITER.— This is a grand mammoth double flowered Fuchsia; flowers of enormous size, very large, rich purple violet corolla; tube and sepals bright crimson.

SNOWSTORM.— The freest flowering double white variety.

Standard Everblooming Carnations

Price: 15c each; 4 for 50c; set of 12 fine varieties, $1.25, postpaid.

CARNATIONS will thrive in any good fresh garden soil. After danger of frost is over, set 10 to 12 inches apart each way, cultivate and water as needed until they begin blooming, then mulch with light manure that has straw in it, plants should be staked or strung to support them. Carnations are easily grown in the house for Winter flowers.

BEACON.— A bright, deep scarlet; a most perfect color, soft yet brilliant; the flower is of the largest size and perfectly double; nicely fringed; sweet.

BONORA.— A beauty; fancy variety of fine size and form, borne on long, stout stems. Color white flaked and splashed with red.

ELDORADO.— Deep golden yellow, splashed and striped with red; a very rich combination of colors and a novelty of much merit.

ENCHANTRESS.— Flowers very large, borne on long stems. The color is a superb shade of flesh pink. An early and continuous bloomer.

GORGEOUS.—Luxuriant growing new carnation of giant proportions. Very long straight stems surmounted by large, finely fringed flowers of deep carmine, shaded to rich velvety scarlet. A giant among carnations.

HERALD.—Flowers very large and massive with finely fringed petals and strong calyx. Stems long and very stout; color bright rich scarlet. A true everbloomer.

MATCHLESS.—A wonderful new white variety produced by a famous hybridizer of New York State. Large massive flowers on strong upright stems. Sweetly perfumed.

MAY DAY.— This Carnation has that exquisite shade of pink so greatly in demand. Form, size and calyx grand.

MRS. C. W. WARD.— Simply superb, both in form and color; brilliant dark pink, of immense size.

PHILADELPHIA.—Greatly admired for its beautiful soft rose pink flowers. Very delicate and pretty.

PINK DELIGHT.— A grand new variety bearing profusely on long stems, crisp wax-like flowers of a delicate flesh pink shade. A beauty.

WHITE ENCHANTRESS.— A pure white sport from the famous variety Enchantress, having the same general habit and characteristics. A superb flower.

A "CYCLE" LAWN MOWER Has a draw cut blade—runs close to the ground—is self sharpening —cannot be bent or warped out of alignment. Cuts All the Grass Right the First Time Over. See page 31.

Flavoring and Medicinal Herbs—Plants

CHIVE.—Has mild onion flavor, grows in grass-like clumps; much used for flavoring.
Each, 15c; doz., $1.50

LAVENDER.—By distillation produces the well-known Lavender water, the flowers for perfuming wardrobes, etc. **Each, 25c; doz., $2.50**

ROSEMARY.—Infusions of the leaves are used in medicinal beverages. Produces an aromatic oil.
Each, 25c; doz., $2.50

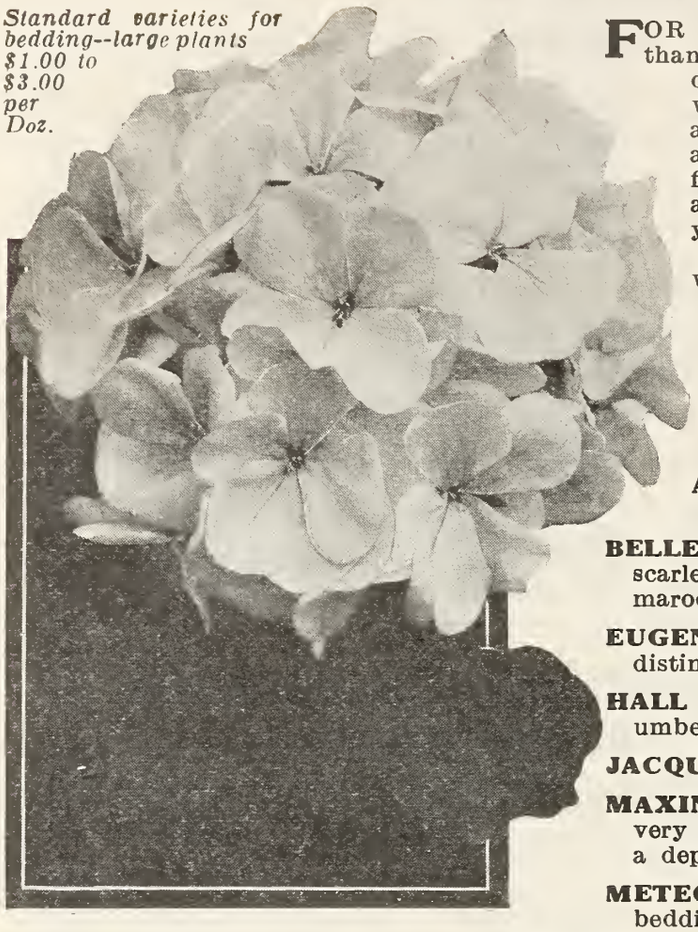
THYME.—Broad leaved, used in soup, stuffing and sauce. **Each, 25c; doz., $2.50**

SWEET MARJORAM.—The sweet aromatic leaves are used in either the green or dry state.
Each, 20c; doz., $2.00

SAGE (Giant)—The leaves and tender tops are used in stuffings and sauce; also in the beverage known as Sage tea. The Giant or Mammoth Sage is a greatly improved variety more vigorous and having much larger leaves.
Each, 15c; doz., $1.50

GERANIUMS

Standard varieties for bedding--large plants $1.00 to $3.00 per Doz.



FOR winter flowers inside nothing is more satisfactory than Geraniums. They are of the easiest culture, requiring to be kept cool and given plenty of air, with an occasional sprinkling of the foliage to clean and freshen it. Keep the roots moist, not too wet, and have good drainage in the pots. No other flower can take their place as a bed or border plant, and inside they grow beautifully throughout the year, making cheery house plants.

Our low prices place these choice new varieties within reach of everyone.

Twelve Fine Single Geraniums

Price, 10c each. Set of 12 sorts, $1.00; postpaid, $1.10.

ALBION.—Beautiful free flowering white variety, as pure as driven snow. Always in bloom.

BELLEROPHON.— One of the freest blooming single scarlet bedding varieties; rich, glowing scarlet, crimson maroon shading on upper petals.

EUGENE SUE. — Odd shade of russet orange, very distinct.

HALL CAINE. —Very large round florets in numerous umbels. Light rich scarlet.

JACQUERIE.— Rich, vivid crimson, immense trusses.

MAXINE KAVOLENSKI.— Odd shade of orange red; very distinctive, splendid bedder, vigorous, handsome; a dependable sort.

METEOR.— Brilliant crimson maroon. A magnificent bedding variety.

MILDRED RIVAL.— Pure rose pink, with conspicuous white blotch on two upper petals.

MRS. A. BLANC.— Light salmon, blended with darker shades; center and edge of petals pure white; extra fine.

MRS. E. G. HILL.— Very large trusses of single florets; color clear salmon, with a white center.

NUIT POITEVINE.— Trusses and florets of grand size; rich, rosy violet; the upper petals feathered with scarlet at their base. Very distinct and much admired.

VICTOR GROSSETT. — Rich apricot bordered on vermilion; profuse bloomer and excellent habit. A splendid bedding sort.

Twelve Fine Double Geraniums

Price, 10c each. Set of 12 sorts, $1.00; postpaid, $1.10.

ALPHONSE RICARD.— Immense trusses of large round flowers of the most vivid scarlet.

BEAUTE POITEVINE.— Very large, semi-double flowers of a brilliant salmon color. One of our best sorts.

CONTRASTE.—Glowing carmine, shaded darker; one of our best bedders.

FRANCIS PERKINS.— The finest pure pink variety we know of.

GOLDEN DAWN.— Color brilliant orange with brighter shadings; the nearest approach to yellow.

JEAN VIAND.—Soft rose color, shaded to white. Magnificient bedder.

MADAME LANDRY.— Distinct salmon pink. Lightly shaded scarlet. Magnificient trusses.

MME RECAMIER.— Snow white; strong, vigorous grower; flowers abundantly produced in large trusses.

MRS. LAWRENCE—Beautiful satiny pink shaded to white; a gem among geraniums.

ORNELLA.—Intense bright scarlet. A grand bedding variety.

S. A. NUTT.— The best of the rich, dark crimson varieties; trusses massive.

SUZANNE DESPREZ.—Snow white, distinctly bordered with pink. Very striking.

Pelargoniums—Lady Washington Geraniums

EASTER GREETING.— Beautiful new variety, remarkable for its free blooming proclivities, being equally as fine bedded out as it is grown as a pot plant. The flowers are of a fiery amaranth red each petal distinctly blotched maroon. A novelty of the greatest merit. **Each, 30c.**

MRS. LAYAL.—This is the popular pansy geranium covered with its small, rich colored flowers in chocolate, pink and white. **Each, 20c.**

We offer a splendid assortment of the popular **Lady Washington Geraniums**, large sizes for bedding. **$1.50 to $3.50 per doz.**

Miscellaneous Ornamentals

Yucca

SPANISH BAYONET OR ADAM'S NEEDLE—Has a fine appearance; the stems grow two or three feet above the ground; covered with large, bell-shaped flowers on laterals, forming a perfect pyramid; valuable for rockwork.

FILAMENTOSA—Thread leaved, creamy white; July. **Plants, 2 feet, each, 75c to $1.00.**

Bleeding Heart

SPECTABILIS. One of the most ornamental of hardy spring flowering plants, with elegant green foliage and long, drooping racemes of heartshaped flowers. This is deemed one of the finest of all hardy garden plants.

Strong roots.....Each, 30c, postpaid.

Pampas Grass

A noble ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes, which are very valuable for winter decoration; grows 6 to 8 feet high.

Strong roots, each, 60c to 75c.
Large specimen plants, $2.00 to $5.00.

Tritoma—(Pfitzeri)

Everblooming Flame Flower or Red Hot Poker

This new sort is of a rich orange-scarlet, blooming from mid-summer to latest fall; spikes 3 to 4 feet high; one of the very best of this useful class, which is hardy with slight protection, but winters best if lifted and stored in sand. These hardy perennials are unsurpassed as border plants or for mass effects.

Strong flowering roots 25c; doz., $2.50 prepaid

St. Johns Wort

(Hypericum Moserianum)

Low growing with yellow blooms; a drought resister. July and August. **Clumps, 50c.**

Pampas Grass

Caladium

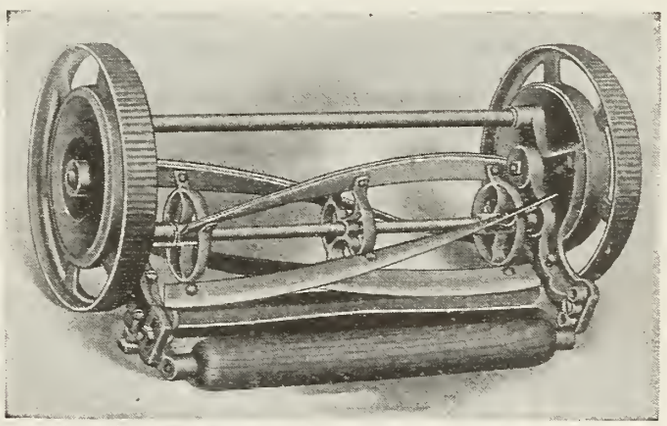
Esculentum—(Elephant's Ear) Grand tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, they produce enormous leaves, frequently four feet long by three feet wide. Plant in the spring. Height, 4 to 5 feet.

Each, 25c; doz., $2.00

Highest Grade **Cycle Lawn Mowers.** **Fully Guaranteed**

Stationary, draw-cut blade, self sharpening, protected from rocks, nails, etc., keeps the mower close to the turf on uneven ground — cuts all the grass right the first time over.

CYCLEMOWERS—Have self-adjusting ball bearings, bed knife rests on frame instead of being supported by screws — as in other models — making it impossible to bend or warp out of alignment, the revolving wiper blades draw the grass over the keen cutting edge of the bed knife. This is the big distinctive feature of the Cyclemower and is entirely different from other lawn mowers. The bed knife is protected, has lipped cutting edge, does not wear unevenly and is self sharpening and adjusting. We tried them out for a season on our own grounds before offering to our customers and found them superior in every respect. **If you would be free from lawn mower troubles, buy the light running self sharpening Cyclemower.**



"Cyclemowers" are made of Crucible Steel

PRICES AND SIZES.

14 in. cut, 8 in. wheel, 4 blades	$ 5.65	16 in. cut, 10 in. wheel, 4 blades	7.85
16 in. cut, 8 in. wheel, 4 blades	5.95	18 in. cut, 10 in. wheel, 4 blades	8.35
14 in. cut, 9 in. wheel, 4 blades	6.50	14 in. cut, 11 in. wheel, 5 blades	9.75
16 in. cut, 9 in. wheel, 4 blades	6.90	16 in. cut, 11 in. wheel, 5 blades	10.95
14 in. cut, 10 in. wheel, 4 blades	7.50	18 in cut, 11 in. wheel, 5 blades	12.00

To Make and Keep A GOOD LAWN You Need a LAWN ROLLER

"DUNHAM" ROLLERS run 44% easier and cost no more than others—for prices and sizes see our general catalog. We carry both "WATER WEIGHT" and CAST IRON ROLLERS.

"DIAMOND QUALITY"

DAHLIAS

1916 Novelties will be selected later and appear in our General Catalog, as the blooming season is not advanced enough at this writing to determine their merits.

☛ *1916 General Catalog ready in January.*

A corner of our Dahlia Field in the **"Paeony Section"**

All new varieties must first stand our field test before they are offered for sale.

IN THE SELECTION OF DAHLIAS only those varieties of known merit should be considered. The great Dahlia Specialists of Europe and America have set a high standard, established by their years of comparative trials and you will have greater satisfaction and better values from their tested varieties which we offer, and which have been officially recognized, than you can possibly obtain from untried varieties of doubtful origin.

OUR TRIALS ARE VERY EXTENSIVE and are conducted by a practical Dahlia expert of wide experience. All tests are made in the field without irrigation and the Dahlias we list represent the "survival of the fittest," the best of the standard varieties and meritorious novelties of the most famous producers, varieties that are recognized the world over. They are true to name, erect bloomers and good keepers.

Group of Cactus Dahlias

☛ **IT IS IMPORTANT** that your Dahlias be recognized varieties and **true to name.** If not, you cannot hope to exhibit them successfully.

CULTURE

DAHLIAS will grow to perfection in any good garden soil, preferably one that contains a little sand. Plant as soon as the frost is gone and the ground warm, cutting the tuber to a single strong eye, and placing it on its side at a depth of about 6 inches, in ground that has been previously well cultivated. An excellent way to start Dahlias is to sprout the tubers in a green house and set out the rooted plants. These are generally believed to give more and better flowers, but is more trouble than planting the bulbs. Rows should be four feet apart, plants 18 inches to 3 feet apart in the row, depending on whether planted for a hedge or for specimen plants. Cultivate thoroughly until ready to bloom, then deep tillage must cease and only the surface be lightly stirred, as deep cultivation at this time is fatal to blooming. Tall varieties should be staked.

If you use commercial fertilizer, do not apply until the plant starts growth, then work it into the top soil, 5 or 6 inches from the plant. Bone meal is an excellent fertilizer for Dahlias but must be applied early, as it is slow in action. When the plant is well up, say 6 to 10 inches, pinch off the top, leaving 2 or three joints. This will cause it to branch out into a more sturdy, bushy growth. Water freely.

REMEMBER WE CAN SUPPLY ANY VARIETY IN COMMERCE, GROWING MANY THAT WE DO NOT LIST. IF WE DO NOT have what you want, we can get it for you, *true to name.*

FINEST CACTUS DAHLIAS

From comparative tests in the field we have selected the following as being the best of their types and color. This list contains many of the newest Dahlias as well as the best of the older ones.

PRICES 15c DAHLIAS $1.50 dozen; 20c Dahlias $2.00 dozen: 25c Dahlias $2.50 dozen
35c DAHLIAS $3.00 dozen; 40c Dahlias $4.00 dozen; 50c Dahlias $5.00 dozen

Write for Prices by the Hundred.

Red and Shades

ARISTID GURTLER—Flowers of enormous size, petals curved inward, color brilliant orange scarlet. **Each, 35c.**

AUGENWEIDE—Translated this means "a feast for the eyes," and truly this beautiful cactus dahlia is all its name implies. Color is bright rose with deep rose center, grows erect on fine stems, a full shapely flower. **Each, 50c.**

BISMARK—A most intense bright red, petals slightly incurved, perfect cactus type, has fine carriage of bloom well above the foliage, is early and always covered with flowers, one of the very finest reds. **Each, 50c.**

DORNROSCHEN—Unique and remarkable, variable from carmine to brilliant red, to delicate pinks with blush suffusions; a dainty, perfectly formed, fully double flower; long slender petals, beautifully incurved and quilled; large and free blooming; long stems, erect; compact bush. **35c.**

DREADNAUGHT—A giant flower, of graceful form, full, with fine claw-shaped petals; color, deep crimson maroon; a good keeper and splendid flower for exhibition. **Each, 35c.**

ERB PRINCESSEN REUSS—A superb shade of blood-red crimson self, the best of its color of finest cactus form, one of the most satisfactory and pleasing reds. **Each, 35c.**

H. W. SILLEM—(Cardinal King)—Rich cardinal red, of perfect form, grand exhibition variety. **Each, 25c.**

JOHN PEEL—A deep rich crimson with lighter suffusion toward center; a distinctive form of true cactus type, a splendid keeper, with fine stems. **Each, 50c.**

KALIF—A giant flower of perfect "Cactus" form, color a brilliant pure scarlet. The immense blooms are freely borne on long, strong stems and make a wonderful display. **Kalif** was awarded the highest honor of the German National Dahlia Society. **Each $1.00.**

MARATHON — A brilliant, purplish maroon; a large, full flower with broad twisted cleft petals — color deeper toward center with light, bright purple shadings on tips and reverse of petals— good stems. **Each, 35c.**

MARIE PURRIER—Extra large brilliant blood-red flower of fine full form, with slender dainty incurved petals; a free bloomer of fine habit of growth, flowers erect and good keepers; a European dahlia of the greatest merit. **Each, 50c.**

MATCHLESS—Dark rich crimson. **Each, 20c.**

MRS. A. P. HOWARD—Color fiery red with satiny sheen that lends unusual attractiveness to the large graceful flower, fine stems, vigorous and free blooming. **Each 50c.**

MRS. FERDINAND JEFFRIES—Deep velvety garnet red, the long curved and twisted petals forming a magnificent flower of rare grace and beauty; one of the largest dahlias. **Each, 50c.**

MRS. HENRY WIRTH—Rich geranium red, very free flowering. **Each, 35c.**

MRS. KATE JOHNSTONE—A grand shade of deep rose of splendid Cactus form. Long strong stems. One of the most pleasing and magnificent Dahlias ever produced, being without a rival in the deep pink shades. **Each, 50c.**

MRS. SUZANNE B. HOLMES—A superb dark crimson-maroon of fi est form and good substance. Good stems. One of the most beautiful of all dark Cactus Dahlias. **Each, 50c.**

M. INMAN—A bright orange vermillion of largest size and finest cactus form; long, narrow petals, an exhibition variety. **Each 50c.**

OLYMPIC—Deep rich crimson; very large, petals incurved and of great depth; a strong grower. Fine Exhibition Dahlia. **Each, 75c.**

OTHELLO—A glorious full, large flower of deepest richest crimson, center almost black; finest true cactus form; one of the earliest. **Ea., 35c.**

PROGENITOR—Bright carmine; fringed petals; a free bloomer of great beauty. **Each, 20c.**

SIGNAL—Brilliant crimson scarlet; height 24 inches; flowers large, of fine form; free blooming. **Each, 25c.**

UNCLE TOM—Dark maroon, medium size; quite free. **Each, 15c.**

White

THE BRIDE — A pure glistening milky white of great substance and of full rounded symmetrical form, grows erect, keeps well cut and the golden variegated foliage is very attractive. **Each, 50c.**

GUNTHER—Pure white with broad twisted petals on stiff stems. Large and beautiful. **Each, 50c.**

LAWINE—Fine large white, faint blush tint, erect, free-flowering; extra good. **Each, 35c.**

RHEINKOENIG—(King of the Rhine) Dazzling snow-white of magnificent form and largest size; although large the flowers are daintily formed and of splendid substance, carried above the foliage on fine long stems, and are very lasting when cut. **Each, 35c.**

Pink and Shades

BRITTANIA—Beautiful salmon-pink. **Each, 25c.**

COUNTESS OF LONSDALE—Rich, rosy-salmon, very floriferous; one of the best. **Each, 25c.**

FREDERICK WENHAM.—One of the largest cactus dahlias yet raised; in form the flowers are partially incurved. Growth upright; strong stems; color warm fawn-pink, with soft salmon at the center. **Each, 75c.**

GALATHEA — A delicate soft flesh pink of finest form; a flat petaled type listed in the cactus class by the originator. Galathea is a pleasing and most desirable addition. **Each, 60c.**

GONDOLA—Beautiful shade of pink; with bright old-gold penciling; large, with long incurved, twisted petals, lighter at tips. **Each, 35c.**

GWENDOLINE TUCKER—A dainty rose color with lighter center, a finely formed, full flower, petals incurved, carried on long, strong stems. An exhibition variety. **Each, 50c.**

HELENE—Delicate, clear pink, with rich creamy center, a beautiful flower on very long stems and the greatest bloomer of all. **Each, 15c.**

KRIEMHILDE—Blush-pink; a prize winner; one of the finest Dahlias. **Each, 20c.**

MARGUERITE BOUCHON — Brilliant rose with white center and white tips: very strong stems. A dainty and beautiful flower of large size. **Each, 50c.**

MRS. J. B. CHAFFEY—A deep rich rose pink of superb form, flowering abundantly throughout the season and is of great value for cutting; stems strong upright and long—a great beauty under artifical light. **Price 50c**

MRS. WILLIAM H. TAFT.—Color the lovely pink of La France; rose, with lighter center; a large handsome flower with fine petals beautifully incurved; vigorous and free. **Each, 50c.**

CACTUS DAHLIAS—Continued

Yellow and Shades

CAPSTAN—Orange-scarlet and apricot; one of the finest for cut flowers; dwarf-habit, free-bloomer, large perfect flowers. **Each, 15c.**

DESDEMONA—An exquisitely beautiful, daintily formed flower. The central shade is a lovely creamy canary shading to white at the ends of the slender, incurved petals; flowers very full, erect, borne on long stems. **Each, 50c.**

DRAGON D'OR.—A magnificent deep rich yellow of mammoth size. Petals broad and deeply cleft at tips. **Each, 25c.**

DR. ROY APPLETON — The finest of the straight petal type, of perfect starlike form; color a beautiful light lemon yellow, merging to light salmon, lighter at tips; plants of good habit with long stems and one of the best for exhibition purposes. **Each, $1.00.**

ENCORE—A pleasing shade of orange-buff, incurved petals, strong stems and perfect habit of growth.

FLOSSIE RIDEOUT.—Pure deep yellow with finest needle-like petals, sometimes with distinct pure white tips. **Each, 35c.**

GELBER PRINZ—A grand new yellow of Marechal Neil shade, a color never before obtained in a Dahlia. Flowers are extra large, and graceful form, full centers, carried on large stems and keep well both cut and on the bush. Each, 60c.

GENOVEVA—An elegant distinctive flower of a pale canary yellow, with a beautiful faint greenish tinge suffusing the entire flower, which is large, with well filled incurving petals. **Ea., 35c.**

GOLDEN WAVE — A magnificent clear deep yellow of splendid form and largest size; petals are long and narrow, flowers full and symmetrical; one of the very best yellows. **Each, 50c.**

GOLD REGEN—True cactus type, twisted petals, deep bright yellow; long stiff stems; a splendid flower. **Each, 40c.**

IVERNIA.—Beautiful form, of all around excellence; bright salmon fawn. **Each, 35c.**

JOHANNESBERG—A giant golden yellow of great brilliancy, the shapely, graceful flowers being well poised on long stems; a variety of the greatest merit. **Each 50c.**

LADY FAIR.—Primrose, tinged delicate pink, long incurved petals, free and attractive. **Each, 50c.**

MODELL—A beautiful clear waxy yellow, with a delicate plum blush sheen over tips of petals; a dainty, lovely flower of large size, perfect form, petals incurving, erect on long stems; one of the best bloomers and most vigorous growers. **Each, 50c.**

MRS. WM. E. RUSSE—A most pleasing yellow with chamois center, the broad twisted petals edged plum shading to old rose, extra fine stems; an unusually attractive well finished flower. **Each 50c.**

WODAN—Magnificent flowers of largest size and pleasing form, color orange rose shading to old gold center, very vigorous. **Each, 50c.**

Lavender

INDOMITABLE—Long, very narrow petals, perfectly incurved; in color a rosy mauve; a beautiful erect flower on good stems. **Each, 50c.**

MAUVE QUEEN—A beautiful true lavender with lighter center, full flower with finely quilled petals beautifully formed, incurved. **Each, 35c.**

Variegated and Shaded

COMET—Extra large, silvery rose, marked crimson, a very free bloomer, of good habit. **Each, 25c.**

CURIOSITY—Large full white flower with claw shaped petals, penciled rose carmine; a very beautiful, graceful and free blooming flower; good stems. **Each 50c.**

H. L. BROUSSON — The extremely long and slender petals are daintily twisted and incurved in a most pleasing way. Color is salmon rose on a pale yellow ground, showing lighter center and tips. Special awards. **Price 75c.**

RELIABLE—A blending of yellow, brick-red and salmon; truly a grand flower. **Each, 25c.**

Pom Pon Dahlias

These are pretty little globe shaped flowers on long stems, high above the dwarf foliage, fine for border, keep well when cut.

BESSIE—Creamy white, finely quilled. **Each, 15c.**

CATHERINE—Purest yellow; large. **Each, 20c.**

DARKEST OF ALL—Darkest pom-pon; perfect flowers. **Each, 20c.**

FLOSSIE—Small rose pink, very free. **Each 20c.**

GUINEVERE—Pale salmon and yellow suffused and shaded pink with distinct gold tips. **Each 20c.**

GLOW WORM — An odd and pleasing yellow tipped cinnebar. **Each 20c.**

HYPATICA—Amber shaded fawn edge and center lighter. **Each 20c.**

LILACEA—Pale blush pink tipped rosy lilac. **Each 20c.**

LITTLE HERMAN—Deep carmine, shaded garnet; tipped white. **Each, 20c.**

NERISSA—Soft pink, silvery tint; a beautiful new color. **Each, 20c.**

POMPONIA—Bright amber edged rosy cerise. **Each 20c.**

WHITE ASTER—("Guiding Star"). A dainty, graceful, pure white flower with tips of petals cleft, giving a fringed effect. **Each, 20c.**

Collarette Dahlias

Collarette Dahlias are of French origin, having single flowers with an additional row of petals around the disc, forming a frill or collar usually of a contrasting color.

ALBERT MAUMENE.—Rosy mauve, suffused with lilac, white collarette, fine stems. **Each 35c.**

COLLARETTA.—Lovely rose-shaded pink, yellow and rose collarette; very pretty. **Each, 35c.**

FINE FLEUR.—Shades of fawn, apricot and yellow. Yellow collarette, very distinct. **Each, 50c.**

TITANIA.—Deep crimson, edged rosy lake, white collarette. **Each, 35c.**

Dwarf MIGNON Dahlias

NEW "MIGNON" DAHLIAS—A new Dwarf Type of Single flowered Dahlias growing to a height of about 14 inches. Plants are bushy and symmetrical and produce in the greatest profusion brilliant large flowers of fine substance, borne on long stiff stems high above the foliage. They make a grand garden display and are long keepers when cut. Mignon Dahlias originated in Holland and were awarded 5 first-class certificates and 5 awards of merit at Amsterdam. We offer in four colors: Brilliant Orange, Velvety Crimson, Yellow and Violet.

Price, each, 15c; doz., $1.50

Show Dahlias

The show or "quilled" Dahlia is the popular old fashioned type and has been so improved that many of our most magnificent flowers belong to that class.

A D. LIVONI—This grand old variety still remains the best pink of its type. **Each, 15c.**

DIADEM—Brilliant rich crimson of fine full form, free blooming, has good stems. **Each, 25c.**

DREER'S WHITE—A magnificent white of largest size and great purity, long stems. The best of its color. **Each, 35c.**

FRANK SMITH—Very dark rich red with light tips, variable; a fine full flower, good grower. **Each, 15c.**

GOLDEN BOW—A new rich yellow of splendid form, has long stems, large flowers and blooms continuously. **Each, 35c.**

GRAND DUKE ALEXIS—A giant glistening clear white flower with the daintiest of lavender flakes or markings near center. **Each, 25c.**

JOHN BENNETT—Yellow deeply edged scarlet a very free bloomer and a desirable color. **Each, 25c.**

LUCY FAWCETT—Light canary yellow, with penciling of clear magenta. Large and very free. **Each, 20c.**

MRS. ROOSEVELT—A beautiful, delicate pink, of immense size, fine stems, perfect form, large and double, superb. **Each, 35c.**

NORMA—Pure old gold with delicate plum suffusion that adds to its brilliancy; a full, well formed flower on good stems. **Each, 25c.**

Mrs. Roosevelt

THOS. PENDRED—Finest and largest of the pure yellows, a rich soft shade of golden yellow, perfect form, blooms freely and continuously, even in driest weather. **Each, 25c.**

W. W. RAWSON—Pure white overlaid with amethyst blue. Petals are quilled toward center but more open at outer part. The massive flowers often measure 7 inches in diameter; borne on stiff erect stems. **Each, 50c.**

Decorative Dahlias

A Magnificent Collection of the Best of this Superb Type

DELICE—(Decorative)—Lovely shade of pink, broad petaled flowers with large stiff stems, very floriferous. *A fine, lasting cut flower.* **Each, 35c.**

JEANNE CHARMET—A beautiful lilac pink; each petal edged with white; flowers are very large and stems exceptionally long; very fine. Height, 4 feet. **Each, 25c.**

Le Grand Manitou

GAIETY—A superb new decorative, vivid scarlet, heavily marked with pure white; stems are long and flowers are produced freely; excellent for cut flowers. **Each, 35c.**

LAVENDER QUEEN—Clear, soft lavender; petals deeply serrated. **Each, 15c.**

LE GRAND MANITOU—(Decorative)—Immense perfect flowers, color a white ground splashed and striped with deep violet red; the finest variegated Dahlia in the decorative class. **Each, 35c.**

MEADOW GOLD—A lovely clear lemon shading to creamy tips, a free and constant bloomer, with long strong stems. **Price, 35c**

MLLE OCTAVIE GRAINDORGE—NEW—A magnificent pure white, of great beauty of form; an ideal flower in every way. **Each, 50c.**

MME. A. LUMIERE—Pure white with violet red points, good. **Each, 25c.**

MRS. WINTERS—Snow white, large beautiful form. **Each, 20c.**

PRINCESS JULIANA—Originating in Holland; flowers are pure white, of perfect form; foliage is rich dark green. A splendid grower and profuse bloomer, the magnificent flowers carried on long, strong stems, will keep for days when cut. Special Award Royal Horticultural Society. **Plants or tubers, each, 50c.**

REISEN VON STUTTGART—A bright blood red; seedling of the famous "Doazon", of great size and beauty. A free bloomer and good cut flower. **Each, 35c.**

SOUVENIR DE GUSTAVE DOAZON—The largest Dahlia to date; often growing 9 inches in diameter; constant bloomer, magnificent rich scarlet color; the greatest of all Dahlias. **Each, 25c**

Paeony Flowered Dahlias

ORIGINATING in Holland, the Paeony flowered Dahlias have become a great specialty with these famous growers, and the marvelous beauty and magnificence of the new types and varieties fully justify their claims to distinction as the most satisfactory garden Dahlia, and as cut flowers are unexcelled.

The rare new shades, brilliant coloring, velvety finish and glistening sheen of their petals, their giant size, yet most graceful and pleasing forms are not found in any other class of flowers. The varieties we offer have received special certificates of merit at the Amsterdam and Haarlem Shows.

The blossoms are semi-double, of enormous size and the coloring is most brilliant and beautiful. They come in several pleasing forms generally with 3 to 5 rows of petals, which are long and broad, sometimes being beautifully curled and twisted.

Paeony Dahlias bloom more freely than any other class and are very vigorous, growing to a height of 5 to 6 feet, with their flowers on long stems above the foliage.

A. C. IDE.—Dark carmine red. **Each, 50c.**

AMERICA—A glowing old rose overlaid with a rich shade of old gold. A shapely, full flower of 7 to 9 inches in diameter, with broad, gracefully twisted petals; flowers erect on long, strong stems. A magnificent and distinctive flower well worthy of the name "AMERICA." **Each, 50c.**

ANDREW CARNEGIE—Salmon pink, shaded bronze, center very prominent and rounded; petals are somewhat flat, 4 ft. **Each, 50c.**

A. SCHUTTEVAER—White ground with lilac suffusion. Rare and beautiful. **Each, 50c.**

BEAUTY OF CROYDON HALL—Shades of lilac, salmon and pink, a profuse bloomer of splendid form. **Price 50c.**

BERTHA VON SUTTNER—Salmon pink, shaded yellow, erect, elegant form. Height 4½ feet. **Each, 50c.**

CAESAR—A magnificent semi-double, clear bright yellow flower of perfect form, borne erect on long stems; vigorous free bloomer. **Each, 50c.**

CECILIA—Cream yellow shading to white. Large long stems, good 5 feet. **Each, 35c.**

COEUR DE LA PAIX.—Light purple, tinged terra-cotta. **Each, 50c.**

DOMINION.—Bright rosy red, shading rose-pink toward edges; large full flower, ornamental foliage. **Each, 50c.**

DR. K. W. VAN GHORKOM—White shaded rose Flowers large and free bloomng. **Each. 50c.**

DR. PEARY—Brilliant, dark, velvety garnet red of magnificent form, the large twisted petals producing a graceful flower of great beauty. The small deep golden center enhancing the brilliancy of the pure self-colored petals. Flowers well poised on strong stems. **Each, 50c.**

EILEEN KELWAY—Paeony type—Golden yellow over-laid cerise with yellow center. Very attractive, shapely flower. **Each, 50c.**

GEISHA—Geisha has a rich, bright golden yellow ground color near center; suffused and heavily marked with clear, bright red, shading toward points of petals into the clear yellow of the ground color; a beautiful deep golden center adds to the harmony of the color scheme. Flowers often attain a width of 10 to 12 inches, and the massive petals are twisted and curled in the most fantastic manner. **Each, 50c.**

GERMANIA—A rich, dark, velvety wine color with suffusion of golden-yellow toward the edges of petals Germania is free from the purplish tint that spoils other reds. **Each, 35c.**

GIANT EDELWEISS—This new type of Dahlia has true cactus petals of enormous length, curving inward at the tips; color a pure glistening velvety white, of great substance; the center is a brilliant golden yellow, a Giant duplicate of the famous Edelweiss of the Alps. Flowers are erect on long stems, 5 feet. **Each, 35c.**

GLORY OF GROENEKAN—Extra large flowers of finest form. Color a splendid golden orange. Strong grower; free-flowering. **Each, 35c.**

GLORY OF NYKERK—Dark, violet red, overlaid with blackish crimson. A brilliant and attractive flower of large size and finest Paeony type; good stems, beautiful foliage. **Each, 50c.**

GREAT BRITAIN—A magnificent, full petaled flower; color a pleasing light mauve with dark markings towards center. Of the largest size and most graceful Paeony type. **Each, 50c.**

H. J. LOVINK—Dainty shade of lilac on white ground shading to clear yellow center. A large and pleasing flower. **Each, 50c.**

HORTULANUS FIET—Bright salmon rose on old gold and orange, lighter toward tips. A most magnificent and truly marvelous flower, being a mass of blooms throughout the season. **Each, 50c.**

HORTULANUS WITTE—A wonderful giant white of great beauty, the broad, graceful petals are of good substance and of a glistening pearly, white with fine large stems. First-class certificate. **Each, 50c.**

JAN OLIESLAGERS—A grand, new clear deep yellow of fine Paeony form. Flowers of good substance, erect on long stems. **Each. 75c.**

KING GEORGE.—Rich wine red, large full flower, very conspicuous and attractive. **Each, 50c.**

LA HOLLANDE—Dainty light rose with golden suffusion that deepens toward the center. A large and beautiful flower. **Each, 50c.**

LEO XIII—Paeony type—A giant yellow, rich, deep and brilliant. The full massive flowers are of ideal form with petals twisted and incurved, making a graceful fluffy flower well poised on strong stems. Witout question the best yellow of its class to date. **Each, 75c.**

MADAM VON BYSTEIN—A magnificent lilac lavender, changing to light blue. A dainty, fluffy flower of large size and lovely form; good stems. A graceful, refined flower of a new and beautiful shade. **Each, 50c.**

MME. BUTTERFLY.—Soft salmon rose, having a rich golden sheen. **Each, 50c.**

OREGON BEAUTY—The rare color—bright fiery scarlet with golden sheen—its very distinctive form, giant size, long stems and vigorous free blooming habit make it a worthy Dahlia for any garden. An Oregon production of the greatest merit. **Each, 50c.**

PHILADELPHIA—In form this is a semi-double cactus of giant size; color, rich reddish-purple with brighter shadings, suffused and marked with white; very free flowering. **Each, 35c.**

PRESIDENT FALLIERS.—Orange red of a most pleasing shade. The splendid shapely flowers freely borne on good stems. **Each, 50c.**

P. W. JANSSEN—A magnificent Dahlia of splendid form and distinctive coloring, being a lovely shade of old rose, marked and suffused with deep, rich golden yellow. **Each, 35c.**

QUEEN EMMA—A bright pink with darker pink penciling and narrow yellow shading in center of petals. **Each, 35c.**

QUEEN WILHELMINA—Large, pure white, central petals beautifully twisted and curled; very vigorous and free flowering. **Each, 35c.**

RHEINGAU—Large pointed petals, dark brilliant scarlet; immense size. **Each, 50c.**

SHERLOCK HOLMES—A pure, lovely lavender self-color entirely free from purple or reddish tints; large, full, gracefully poised flower on extra good stems. One of the best. **Each, 50c.**

THE BRIDE—A giant flower of graceful form. Color is silvery white, of full fluffy Paeony type, center petals twisted. **Each, 75c.**

ZEPPELIN—A rich, bright lavender of the largest size, well poised on big strong stems. A truly magnificent flower of great beauty. **Each, 50c.**

Climbing Vines

CLEMATIS

Clematis is one of the most beautiful and useful climbers, the several varieties adapting themselves to every requirement. Their magnificent flowers, borne in great profusion in beautiful shades of lavenders, purples, reds, and white, make them especially attractive. Clematis requires a rich loamy soil, but manure should not touch the roots. Cut out the weak and surplus branches in the spring, and tie the vine up well to its support. We offer the best of the hardy large flowering varieties.

DUCHESS OF EDINBURGH—Double, white.
LAWSONIANA—Light blue.
VILLE DE LYON—Red.
RAMONA—Beautiful lavender, best of its color.
MONTANA—White, anemone-like flowers, May to July; very hardy, rapid grower.
HENRYI—Fine, large, creamy white flowers; a strong grower and very hardy.
JACKMANII—Intense violet purple, with a rich velvety appearance; distinctly veined. The most popular and finest Clematis we have.
MAD. ED. ANDRE—A beautiful, new variety; flowers red, large and abundant.

Choice plants of above sorts, each, 60c. Large plants, each, 75c to $1.00, postpaid.

CLEMATIS PANICULATA—A strong, rapid and vigorous grower; it produces sheets of medium-sized, pure white flowers of the most pleasing fragrance; it is perfectly hardy and well adapted for covering trellises or fences.

Choice plants, each, 35c to 40c; large 50c to 60c.

Honeysuckle

BELGIAN—Flowers yellow, blotched with red above; blooms all summer, fragrant. **Each, 50c.**
JAPANESE—Evergreen; fragrant flowers, white changing to yellow. **Each, 35c.**
HALL'S—Evergreen, very popular; white turning to yellow. **Each, 50c.**

Jasmine

JASMINE NUDIFLORUM—Branches drooping, enveloped with bright yellow flowers before leaves appear. **Each, 50c.**
GARDENIA FLOWERED, CAPE JASMINE—Free-blooming, pure white flowers, star shaped; foliage delicate; evergreen. **Each, 50c.**

Ampelopsis

VEITCHEI "Boston Ivy"—Leaves glossy green, coloring bronze in fall; flowers small; berries deep blue. **Each, 35c.**
QUINQUEFOLIA "Virginia Creeper"—Common American Ivy. **Each, 35c.**

Trumpet Vine

BIGNONIA GRANDIFLORA (Trumpet Vine)—Strong climber; deciduous; flowers orange-scarlet. **Each, 50c.**
BIGNONIA TWEEDIANA—Evergreen, clinging; flowers canary yellow. **Each, 50c.**

Dutchman's Pipe

ARISTOLOCHIA SIPHO—A handsome bright green luxuriant vine, having large foliage and brownish, pipe-shaped flowers. A strong, rapid grower, valuable for trellis, porch or arbor. **Strong Plants. Each, 50c.**
KUDZU VINE—A very rapid climber with large heavy foliage; bearing purplish flowers in racemes; during late August. **Strong roots, 35c; doz., $3.00.**

English Ivy

Large, thick, shining, leathery leaves. **Each, 25c.**

Wistaria

W. Sinensis—Chinese Wistaria—One of the most elegant and rapid growing of all climbing plants; grows 15 to 20 feet in a season; has long pendulous clusters of pale blue flowers in May and June and in autumn.

Choice plants, each, 35c to 50c; large, 75c to $1.50.

W. MULTIJUGA—Similar to above, but flowers are darker. **Each, 75c to $1.50.**
W. BRACHYBOTRYS—White flowering. **Each, 75c to $1.50.**

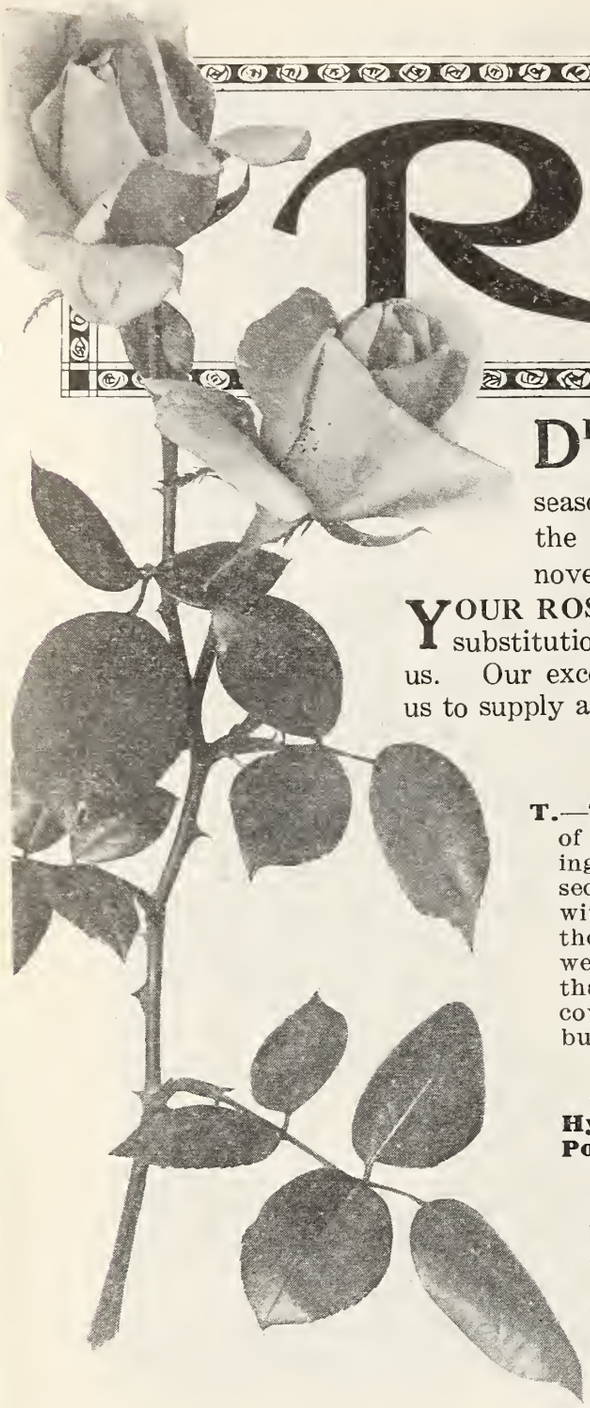
"Diamond" Fancy Lawn Mixture

Growing tests have proved our "Diamond Quality" Lawn Grass to give satisfactory and permanent results, being specially prepared for our Western soils and climate, and will produce an evergreen velvety turf; it is free from chaff and foul seeds, weighing 23 pounds to the measured bushel. This is a guarantee of clean, plump seeds, as cheap chaff seed is very light.

Price, per lb., postpaid, 45c; freight or express, not prepaid, per lb., 35c; 10 lbs., $3.25

Sow one pound to 400 square feet. 10 to 15 pounds to a 50-foot lot.

WRITE US FOR SPECIAL MIXTURES FOR TERRACES, SHADY PLACES, DRY OR WET LAND.



DIAMOND QUALITY Roses

DIAMOND QUALITY ROSES are large, sturdy, two-year-old, field-grown roses that will give you splendid flowers the first season. They are true to name and our list includes the best of the well known popular varieties, the most meritorious of recent novelties and the Gold Medal roses of famous European growers.

YOUR ROSE ORDER entrusted to us will insure careful selection and no substitution. If you do not find what you want in this catalogue write us. Our excellent connections with the great centers of production enable us to supply any variety in commerce.

Abbreviations

T.—TEA—One of the best classes of roses, and truly ever blooming. They are hardy in this section, frequently wintering without any protection, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. T.—HYBRID TEA—Most of these are as free flowering and as constant bloomers as the teas, and are hardier, but, as a rule, not so hardy as the H. P.'s.

Many of our best roses are in this class.

H. P.—HYBRID PERPETUAL—The hardiest of all roses, vigorous in growth and easy of culture, producing large flowers, fine in form and fragrance.

Other Abbreviations that are often used are **S.—Single; H. B.—Hybrid Briar; Wich.—Wichuriana; N.—Noisette; Poly.—Polyanthus; Pern.—Pernetiana.**

PLANTING AND CARE

In our favored section, Roses attain a perfection seldom equalled, but you can not expect them to thrive and bloom unless you care for them. We offer the following simple suggestions.

SOIL—Any good, well-drained garden soil enriched with fertilizer will give excellent results. If heavy clay soil mulch well with burnt earth and manure, rotted sod or leaf mold.

FERTILIZER — Our odorless fertilizer, Bone Meal, Tankage of Blood, will give excellent results, and should always be applied after the plants start their growth.

FINALLY—Keep the surface well worked around the plants. This is as necessary as water or fertilizer.

When planting cut back freely, and the bush will recover quickly.

WATERING — When setting out, water regularly until roots are well set; then about once a week unless the ground is very dry; in such cases more often. Do not get the foliage wet after a hot day. This causes mildew.

SHIPPING.—We always send all our two-year-old rose bushes charges collect by express or freight, packing them so they will carry safely even though they should be on the road for two weeks or more.

If necessary, we can send small two-year-old bushes by mail at an additional cost of 7c each to cover postage, but in such cases we always prune the tops and roots ready for planting.

PRICES.—35c roses, $3.00 doz.; 40c roses, $4.00 doz.; 50c roses, $5.00 doz.; 60c roses, $6.00 doz.; 75c roses, $8.00 doz.; $1.00 roses, $10.00 doz.

OREGON GROWN ROSES

Are ready for Fall delivery in October—Imported Roses should reach us in late November and December. Most all stock offered for fall delivery is budded 2 year Field grown Roses, as many varieties do not give good results grown on their own roots. But for those who prefer "own root" Roses we can secure most varieties.

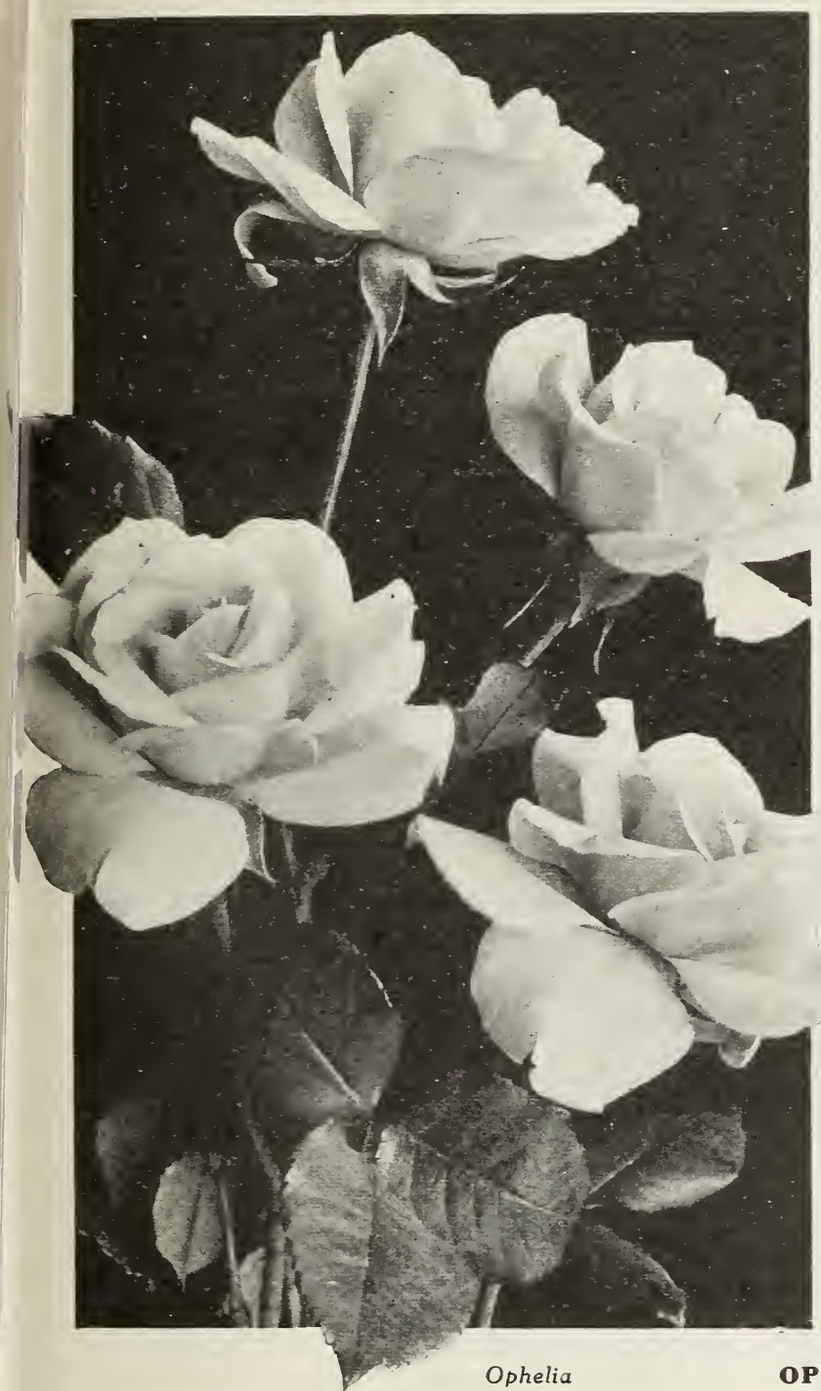
One year roses from Pots can be furnished after March 1st. See General Catalog for Complete list.

We offer a splendid assortment of Popular roses and the best of the new ones, and can secure any variety in commerce, TRUE to NAME.

FOR ALPHABETICAL CLASSIFIED LIST OF ROSES, SEE PAGE 45.

NEW GOLD MEDAL COLLECTION for 1916

Magnificent new roses direct from famous Irish and European Producers, together with the best offerings of our American Growers. Many of the better known roses and some of the newer ones are grown in Oregon and dug and packed as ordered.



Ophelia

MAD. EDUARD HERRIOTT—The famous winner of the Daily Mail Prize. The color being terra-cotta bronze and geranium red, a new combination of colors in a rose. The bud is long and sharply pointed; the foliage is dense, leathery and a deep glossy green; a rare beauty. **Each, $1.00**

QUEEN MARY—(H. T.) Vigorous, free branching growth, a bedding and garden rose of great beauty and refinement, flowers medium size and fine form, color lemon chrome, bordered at the edge with pure, deep carmine; a charming combination affording a most delightful contrast. **Each, $1.25**

AUGUSTUS HARTMAN—(H. T.) Large, well formed flowers, with high pointed center. Is perfectly distinct in color, being a brilliant geranium red flushed with orange. The stout stems make it an ideal rose for exhibition. Foliage not susceptible to mildew. **Each, $1.50**

COUNTESS CLANWILLIAM—(H. T.) A distinct and charming rose, producing flowers in great abundance. Color delicate peach pink, petals flamed and edged with deep cherry red. Long pointed buds opening to large full flowers. Of strong and vigorous habit. **Each, $1.50**

EDITH PART—(H. T.) Free branching growth, flowers of good substance; rich red with a suffusion of deep salmon and coppery yellow, fine garden and exhibition Rose. **Each, $1.00**

GEORGE DICKSON—(H. T.) Very strong and vigorous, upright growth, flowers of the largest size; perfect in shape and unique in color, being a velvety blackish crimson, with the back of the petals heavily veined with pure crimson maroon. Delightfully scented. **Each, $1.00**

GEORGE ELGER—(Dwf. Poly) Free blooming, erect growth, golden coppery yellow, a fine bedding Rose. **Each, 75c.**

H. V. MACHIN—(H. T.) A splendid exhibition variety. Color, intense scarlet crimson. Well formed flowers of immense size. **Each, $1.50**

IRISH FIREFLAME—A dainty new single rose, buds hold their shape a long time. Color, deep orange splashed crimson, changing to fiery orange crimson, distinct and a valuable decorative rose. **Each, $1.00**

LADY MARY WARD — (H. T.) Free, vigorous and hardy, color rich orange, shaded deeper orange with metallic veneering; very brilliant, splendid for bedding and cutting. **Each, $1.25**

OLD GOLD—(H. T.) Asplendid garden rose of vivid reddish orange color with coppery red and coppery apricot shadings. Flowers are medium size and moderately full. Fine for bedding. **Each, $1.00**

OPHELIA—**(H. T.)** This wonderful new rose, with gracefully reflexed orange salmon buds, shading to dainty pink, the open flowers of great refinement and rare and lasting beauty need only be known to rank as a leader among our finest garden roses. The foliage is clean, dark and leathery—the growth vigorous and free, producing long canes, every one crowned with a perfect flower. Blooms early and continuously. By special arrangement we will have a splendid stock for delivery after March 1st, from 3-inch pots; fine large plants—at a price that should place "Ophelia" in every rose garden.

Prices—2 year Field Grown Plants, $1.00. From 3½ in. Pots (after March 1st), Each, 50c; Dozen, $5.00.

Single Irish Roses

IRISH ELEGANCE—(S.) Large, single, golden bronze flowers of great beauty, free and constant bloomer, with deep bronze foliage; a fine buttonhole rose. These single roses make a charming garden display, blooming profusely, and are also splendid for exhibition. **Each, 40c**

IRISH SIMPLICITY—(S.) Almost single, pure white and of immense size. The great size and substance of the petals which are slightly cupped and the golden yellow anthers may readily bring to mind the comparison to a huge water lily. Vigorous grower with handsome deep green foliage. **Each 50c**

Beautiful Roses of Recent Introduction

The following are the recent novelties and Gold Medal roses that have proven their merit and are now becoming generally in great demand.

Fine 2 year Dormant Plants 50c; $5.00 per doz. unless otherwise priced.

Sunburst

BRITISH QUEEN—(H. T.) Pure white large, full flowers of exquisite form, opening freely in all weathers; promises to be one of the best white roses for bedding and cutting. Surpassing "Druschki" in beauty of form and purity.

COUNTESS OF SHAFTESBURY—(H. T.) A splendid new pink of the most ideal type of Hybrid Tea; flowers are large, perfect in form and produced in the greatest profusion. The color is a bright, silvery carmine, mottled and flushed shell pink, giving a picotee effect; a fine exhibition rose, being a Gold Medal winner and the best pink rose for massing or garden.

DUCHESS OF PORTLAND—(H. T.) One of the best Dickson introductions; a lovely pale yellow with thick, leathery petals, full and perfect form; hardy, robust rose, blooming earlier and more freely than "Kaiserin," long stems; lovely in bud or flower, and a good keeper. Gold medal N. R. S.

EDWARD MAWLEY—(H. T.) Flowers large and full, of finest form, with beautiful, long pointed buds; color deep, rich, velvety crimson which does not fade; flowers keep well when cut; growth is vigorous, upright and branching, with handsome foliage. Edward Mawley is one of the finest red roses ever offered, being a decided advancement in its class.

HELENE WATTINE — (H. T.) White with lemon yellow center, full flowers. Of free and vigorous habit.

LADY HILLINGDON—(T.) Deep apricot yellow, long and pointed bud, a fine forcing or garden rose, excellent for cutting. Flowers are of a good substance, very lasting and foliage handsome and luxuriant. Lady Hillingdon is considered the best decorative rose in its class. This aristocratic beauty is a seedling from Papa Gontier and Madame Hoste.

LADY ALICE STANLEY—(H. T.) This grand new gold medal rose is large, very full and of splendid substance; petals shell shaped, pointed giving perfect form to the flowers, which are a lovely, deep coral, inside pale flesh; deliciously fragrant and are very lasting. A free grower and a profuse and constant bloomer.

LOUISE CATHERINE BRESLAU — (H. T.) Coral red, shaded chrome yellow, opening to a large full flower of shrimp pink, shaded coppery orange, free and constant.

MELODY—(H. T.) Intense deep saffron yellow with primrose edges. Blooms are of medium size, very fragrant and freely produced. An excellent bedding and forcing variety.

Each, 75c

MRS. CHAS. E. ALLAN—(H. T.) A delightful garden rose of a delicate and novel coloring, opening a pale orange and changing to ochre as the flower opens. Buds are long, pointed, and flowers are full on good stems, flowers freely every shoot producing a bloom. A vigorous grower and one of the finest garden roses ever introduced.

MADAME MELANIE SOUPERT — (H. T.) Splendid new orange yellow shaded pink; beautiful, long-pointed buds, large size, free blooming; a strong, upright grower; best of its color.

MARQUIS DE SINETY—Deep saffron yellow, flushed reddish copper. Flower large, beautiful dark foliage.

MRS. CORNWALLIS WEST—(H. T.) Growth very vigorous and erect, producing freely, large full flowers. Color, rosy shell pink changing to pure white with age. Fine for exhibition.

MRS. FOLEY HOBBS—(T.) A veritable giant among Tea Roses. Color, delicate ivory white, delicately tinged pink on edge of petals, deliciously scented; a great bedding rose. **Each, 60c**

MRS. E. J. HOLLAND—(H. T.) Deep salmon rose, shading lighter as the flower expands, large, full, free blooming good garden and bedding rose.

MRS. DAVID McKEE—(H. T.) Creamy yellow, large, full, freely and continuously produced. Best of its color.

MRS. AARON WARD—(T.) One of the most delightful roses of recent years in a color that catches the eye at once—a deep golden orange color shading out to lemon or creamy yellow at the edge of the petals. One of the most beautiful roses in existence.

RAYON D'OR—(Pern.) Flowers are large, full, open freely. Buds long, pointed, of deep orange cadmium smeared claret, opening to a rich sunflower yellow, which does not fade. Foliage is deep, glossy green; and free from the attack of mildew. This splendid new rose is a cross between Melaine Soupert and Soliel D'Or.

SUNBURST—(H. T.) The finest of all yellow roses with long pointed buds carried singly on good stems. Flowers large, full and of most beautiful form, color a superb Cadmium yellow with orange yellow center. The foliage is a handsome bronze green; a vigorous grower and good both as a forcing garden rose.

Grand Garden Roses

These splendid free blooming Roses are newer varieties that are becoming more plentiful and can be offered at a very low price. In this list you will find many famous prize winners and some of the most beautiful and popular roses.

Prices, 2 yr. Field Grown Plants, Ea. 40c; Doz. $4.00.

DOROTHY PAGE ROBERTS—(H. T.) Coppery pink, suffused with apricot yellow, very free and perpetual, a delightful garden rose.

FARBEN KOENIGIN—(H. T.) Imperial pink, reverse of petals carmine, very free and perpetual, good bedding rose.

JULIET—(H. B.) A magnificent new rose, the color being a wonderful combination of old gold on the outside of petals and a rich, rosy red on the inside. Flowers are large, full and delightfully scented. The foliage is luxuriant and beautiful.

JONKHEER J. L. MOCK—(H. T.) A magnificent and unique rose. Inside of petals, red, outside silvery blush white. Of fine form, good substance and largest size. A strong, rapid grower.

JOSEPH HILL—(H. T.) Salmon pink shaded yellow. Outside petals yellow suffused copper, a large, free blooming rose of elegant form.

LADY ROBERTS—(T.) Rich apricot, base of petals coppery red, edges of petals shaded orange, bud long and pointed; very beautiful.

LYON—(Pernetiana.) The Lyon is a beautiful shrimp pink with salmon and chrome yellow shadings. Large, coral red buds, beautifully formed; full, globular flowers of rare beauty; a continuous and free bloomer.

LE PROGRESS—(H. T.) Nankeen yellow, opening to saffron yellow; large, full and cupped, opening freely; a grand rose, always in flower.

MRS. DAVID JARDINE—(H. T.) Delightful shade of bright, rosy pink, shading in outer petals to salmon pink; large, highly perfumed.

MADAME PHILLIPPE RIVOIRE — (H. T.) Beautiful apricot yellow and Nankeen yellow center, reverse of petals carmine; large, full and globular.

MAD. SEGOND WEBBER—(H. T.) Pure, rosy salmon, vivid center, large, full and perfectly formed flower, flowering freely and continuously on stiff erect stems.

MRS. A. R. WADDELL—(H. T.) A strong, grower, foliage highly ornamental. Large, long pointed buds of a bright, rosy scarlet, a finely formed flower of a rich apricot or salmon color.

PHARISAER—(H. T.) Rose, shaded salmon, blooms freely; opens well, is large and of finest form. A free and constant bloomer.

Favorite Garden and Exhibition Roses

A choice collection of the best standard varieties and newer roses, that are "tried and true", sure to give satisfaction.

Price, Two year Field grown Plants, 35c; Doz. $3.00.

AMERICAN BEAUTY—(H. P.) One of the largest, sweetest and best; color rich rosy crimson, shaded and veined in the most charming manner.

AVOCA—(H. T.) Deep scarlet crimson flowers of perfect form; very fragrant.

BETTY—(H. T.) Beautiful coppery rose color, overspread with golden yellow. Deliciously fragrant; very large, fairly full and of glorious form. Superb decorative variety for the garden.

BELLE SIEBRECHT—(H. T.) A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large, beautifully formed, of long, tapering shape, with high center, and when half blown the petals reflex in a graceful manner.

BESSIE BROWN—(H. T.) Creamy white; large full and of very fine form. An exhibition rose.

BARONESS ROTHSCHILD—(H. P.) Flowers of immense size; color bright rosy pink.

CAPTAIN HAYWARD—(H. P.) Immense flowers in great freedom, sweetly scented. Color deep glowing red shaded crimson. One of our finest red roses.

CONRAD F. MEYER—(Rug.) Beautiful silvery pink, of grand form and delicious fragrance, hardy in any climate, its handsome foliage makes it most valuable for a flowering hedge.

COUNTESS OF GOSFORD—(H. T.) Clear salmon pink, base of petals shading to saffron yellow, very vigorous; perpetual bloomer.

CLARA WATSON—(H. T.) A bright salmon rose tinted peach, good form; a vigorous grower.

DEAN HOLE—(H. T.) Beautiful silvery carmine, shaded bright golden pink; grand flowers of great substance; perfect in form; vigorous, free branching habit; continuous bloomer; one of the best exhibition roses. Gold medal N. R. S.

ETOILE DE LYON—(T.) Blooms freely, and every flower is a gem, equaling the Marechal Neil in size. Sweet scented; color, rich golden yellow.

FRAU KARL DRUSCHKI—(H. P.) The white American Beauty. Makes splendid buds and immense flowers; perfectly double and delightfully fragrant; large, thick petals; bright, shining green leaves, elegantly veined; a healthy, vigorous grower, and a constant and abundant bloomer.

FLORENCE PEMBERTON—(H. T.) Creamy white, suffused pink. Flowers very large and full, of perfect form and wonderful substance.

FRANZ DEEGAN—(H. T.) This beautiful yellow Hybrid Tea is a fine grower, having dark, leathery foliage and the good habit of throwing up numerous heavy canes, each one crowned by a glorious flower of large size.

GENERAL McARTHUR — (H. T.) Dazzling crimson scarlet; a grand American rose of ideal form, delicious perfume and magnificent foliage. Blooms continuously in great profusion; the grandest red rose for garden or cutting.

GRUS AN TEPLITZ or VIRGINIA R. COXE—(H. T.) Color, fiery crimson, with a dark velvety sheen, very fragrant. The freest blooming rose.

GLOIRE LYONNAISE—(H. P.) Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet and very distinct.

GENERAL JACQUEMINOT—(H. P.) Bright, shining crimson; very rich and velvety.

HUGH DICKSON—(H. P.) Glowing crimson-shaded scarlet; large, full, perfectly formed, delightful perfume, strong grower, perpetual bloomer (should be cut back freely). After careful comparative tests, we believe Hugh Dickson is the best hardy red garden rose to date.

Favorite Garden and Exhibition Roses--Continued

HON. INA BINGHAM—(H. T.) Bright pink, good substance, large, desirable garden rose.

J. B. CLARK—(H. T.) One of the finest of new roses. Its glorious flowers are intense scarlet shaded blackish crimson, of giant size, finely formed and fragrant; growth vigorous and upright.

KILLARNEY—(H. T.) The new Irish Beauty. Color an exquisite shade of deep shell-pink lightened with silvery pink.

KAISERIN AUG. VICTORIA—(H. T.) A beautiful rose with elegant, large pointed buds and very large, full double flowers; color delicate creamy white; deliciously fragrant. A strong, healthy grower and constant bloomer.

LA FRANCE—(H. T.) Both flowers and buds are of grand size; color, a silvery rose, changing to pink. A general favorite. Sweetest of all roses.

LADY ASHTOWN—(H. T.) One of the finest pinks of a rich, deep, silvery tone; flowers large, perfect form; free blooming; vigorous.

LA DETROIT—A beautiful shell-pink shading in the center to a soft rose pink. Reverse of outer petals creamy-flesh tint, strong, healthy grower; prolific bloomer; delightful tea fragrance.

LADY BATTERSEA—(H. T.) This variety has long, oval buds, sharply pointed; very striking in form. The color is a bright, cherry crimson.

MADAME CAROLINE TESTOUT—(H. T.) A grand rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. The official "Carnival Rose."

MAMAN COCHET—(T.) This is one of the most beautiful Tea roses we list. The color is a deep rosy pink, the inner side of the petals silvery rose.

MARIE VAN HOUTTE—(T.) Of a fine faultless straw-yellow color; outer petals washed and outlined with a bright rosy carmine.

MY MARYLAND—(H. T.) Beautiful, bright pink, with paler edges; delightfully fragrant; robust grower and very free flowering; flowers full and good keeper. The best pink of its color; especially fine for florists, as well as being one of the grandest garden roses.

MRS. R. G. SHARMAN CRAWFORD—(H. P.) Lovely deep rose pink, outer petals shaded pale flesh, base white, a new and unique shade. Large perfect flowers, free blooming; a grand Autumn rose.

MABEL MORRISON—(H. P.) Of purest white; velvety in appearance; petals thick and shell-shaped; very double and rounded.

MRS. JOHN LAING—(H. P.) Very free flowering; color, a soft, delicate pink, with satiny tinge.

MARGARET DICKSON—(H. P.) Magnificent form; white, with pale flesh center; petals very large, shell-shaped, and of great substance; fragrant.

MAD. RAVARY—Beautiful clear orange yellow. Long pointed buds; flowers of fine form.

MME. LEON PAIN—(H. T.) A silvery flesh with yellowish orange center; very large and full; opens freely; vigorous.

MILDRED GRANT—(H. P.) Delicate pale pink, shading to silvery white in center; grand giant variety of rare beauty; perfectly formed, pointed buds; full flowers of fine substance.

MAD. ABEL CHATENAY—(H. T.) Color, beautiful rosy carmine, with darker shadings. Very richly colored. One of our finest varieties.

PAUL NEYRON—(H. P.) Deep, shining rose, double and handsomely formed; blooms freely, the largest variety in existence.

PRINCE CAMILLE DE ROHAN—(H. P.) Very dark, rich, velvety crimson, passing to intense maroon, shaded black; regarded as the best of its color.

PRINCE DE BULGAIRE—(H. T.) Very vigorous grower, with large, bright green foliage; beautiful form of bud, flower very large and full. The outer petals are extremely large, of superb rosy flesh color; center of flower bright red, very fine and free.

PRES. W. R. SMITH—(T.) (Maidenblush) A superb new rose of American origin, producing elegantly shaped buds and open flowers of much beauty. Of exquisite silvery pink color and sweetly perfumed.

PAPA GONTIER—(T.) Large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson.

PERLE DES JARDINS—(T.) A clear, golden yellow, an indescribably rich and beautiful shade.

PRES. W. H. TAFT—(H. T.) Deep salmon pink, large full flowers, free blooming.

RAINBOW—(H. T.) Buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber.

RICHMOND—(H. T.) The most vivid of everblooming red roses, buds and flowers of the most perfect and desirable form. The best of its color.

SOUV. DE PIERRE NOTTING—(T.) Very large perfectly full, of elegant form; has a beautiful long bud; color, orange yellow, bordered in carmine rose.

SOUV. DE PRESIDENT CARNOT — (H. T.) Lovely shell-pink, delicately tinted with gold fawn on rich creamy white. Superb for bedding in open ground. Makes splendid buds for summer cutting.

SAFRANO—(T.) Bright apricot yellow, tinged orange and fawn.

ULRICH BRUNNER—(H. P.) A magnificent rose, extra large, bold flowers, full and globular; petals large and of good substance; color, rich, glowing crimson, elegantly flamed with scarlet.

VISCOUNTESS FOLKSTONE — Flowers borne on strong stems, with thick foliage; color, delicately tinted flesh, almost white, with beautiful satin finish.

WHITE KILLARNEY—(H. T.) The finest everblooming white rose for cut flowers. The long pointed buds are of ideal form, petals purest white and heavy wax-like texture, remaining a long time in bud. Flowers are full and beautiful when open and are very lasting.

WHITE LA FRANCE—(H. T.) This magnificent rose is a pure white La France, having just a breath of rose-tinted blush.

WHITE MAMAN COCHET—(T.) White, grand substance, immense size, exquisitely fragrant and a free bloomer; buds long and pointed.

WINNIE DAVIS—Fine apricot pink, shading to the flesh tint at base of petals. A grand hardy garden sort.

APHISCIDE Our Best Summer Spray for **ROSES**—PRICES: Qts., 25c.; Gal. 60c
READY FOR USE

CLIMBING AND PILLAR ROSES

Two-year-old bushes, Field Grown, 35c each; $3.00 doz. (except as noted).

AARD'S PILLAR—Rich velvety crimson; fine large, full flower, cupped form; a fine hardy, free-blooming, free-growing garden rose.
Each, 50c

AMERICAN PILLAR — WICH. — A beautiful bright pink with yellow anthers. The splendid large single flowers are borne in great clusters.

BEAUTY OF GLAZENWOOD—Bronzed yellow or copper and fawn color. One of our grandest climbing roses. Very hardy and a free bloomer.

CLIMBING BELLE SIEBRECHT — (C. H. T.) Flowers identical with bush type; vigorous climber; hardy.

CLIMBING CECIL BRUNNER—Strong rampant climber, ever-blooming clusters of pretty pink flowers, especially beautiful in bud. A gem among climbing roses.

CLIMBING FRAU KARL DRUSCHKI—Identical with the bush type—a good pillar rose.
Each, 50c

CLIMBING KAISERIN (Mrs. Robert Peary)—Flowers fine, ivory white, of heavy texture, and large size.

CLIMBING LA FRANCE—Identical with the well-known La France; vigorous climber.

CLIMBING LADY ASHTOWN—Strong, vigorous climbing sport of this well-known valuable rose. **Each, 50c**

CLIMBING MADAME CAROLINE TESTOUT—Covered during the whole season with immense globular flowers of the same beautiful shade of pink as seen in the bush sort.

CLIMBING METEOR—Rapid grower; rich, dark, velvety crimson flowers.

CLIMBING PAPA GONTIER—(T.) A "Native Sport" from the favorite bush "Papa Gontier."

CLIMBING WHITE MAMAN COCHET—The introducer describes this as identical with the bush type; vigorous free bloomer.

DR. VAN FLEET—A new Hybrid Climber of great beauty, bearing freely. Large, fully double blooms of a dainty flesh pink with rosy center flowers of perfect form with reflex petals and are carried on long stems, making this a desirable variety for cutting. Foliage is luxuriant bronze green. A cross of Pres. Carnot and Wichuriana.
Each, 50c

DUCHESS D'AUERSTADT—A splendid climber of the Marechal Neil type, being a more vigorous and hardy rose. Color is a fine rich yellow, flowers are large, full and open freely.
Each, 50c

GAINSBOROUGH—Graceful flower of dainty shell pink color and satiny finish. Hardy, everblooming and a free climber.

GLOIRE DE DIJON—An old favorite, noted for its free flowering, its delicate tea scent, and its shades of color, being a blending of amber

LA MARQUE—Flowers of good size, borne in large clusters; color, pure white.

MADAME ALFRED CARRIERE—Extra large, full flowers, very double and sweet, and a most profuse and persistent bloomer; color, rich, creamy white, faintly tinged pale yellow and blush.

MADAM WAGRAM (Cli Paul Neyron)—Large flowers of clear, satiny rose with crimson tint.

MARECHAL NEIL—A magnificent deep golden yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence.
Each, 40c

PILLAR OF GOLD—Rich golden yellow suffused copper and pink. Flowers are full, of fine form and delightfully fragrant. They are borne freely in clusters of from 5 to 10.

PINK CHEROKEE—A grand new climbing rose, of rare beauty and undoubted merit and entirely distinct from any other climbing rose. The lovely single blossoms are 3 to 5 inches in diameter, saucer shaped and of a beautiful shade of light pink.

REINE MARIE HENRIETTE—A strong, vigorous grower; flowers large, full, and of fine form; color, glowing crimson, elegantly shaded.

REVE D'OR (Climbing Safrano)—Color apricot yellow, with orange and fawn tints; petals of superb and delicate texture.

SILVER MOON—A magnificent white climber, cross of Wichuriana and Cherokee, large, semi-double blooms of good substance with golden stamens. Flowers are carried on long stems. Foliage is abundant, delightfully fragrant, of a bronze green color and is immune to mildew.

WHITE CHEROKEE—Strong erect grower with dark glossy leaves. Large pure white flowers borne in great profusion.

WILLIAM A. RICHARDSON—Color, rich coppery yellow, flushed with carmine; a very beautiful variety, having few equals.

ONE YEAR ROSES

A complete list of Pot Grown, year-old Roses ready for planting out in the Spring will be found in our 1916 General Catalog. Mailed in January.

THE POPULAR RAMBLER ROSES

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in one season. They bear immense clusters of beautiful, fragrant flowers.

Price: 1-year-old, 15c each; 4 sorts 50c. Two-year old plants, 35c each.

VEILCHENBLAU (Blue Rambler)—This is the Blue Rambler which created such a furore in Europe. It is a seedling from Crimson Rambler with semi-double flowers produced in very large trusses. The flowers first open pink, but quickly change to a violet, or steel blue. Totally distinct and a wonderful rose for pillar and porch decoration.

FLOWER OF FAIRFIELD—Ever-blooming crimson rambler, brilliant crimson, base of petals white, flowering in great profusion perpetually throughout the season. **Flower of Fairfield** is a true, ever-blooming, **Crimson Rambler,** a splendid grower and a great improvement over the old type.

PHILADELPHIA RAMBLER—An improved type of the favorite Crimson Rambler; color, deeper, more brilliant and lasting; flowers perfectly double, borne in great profusion, much earlier than the old type; vigorous, luxuriant foliage, not so susceptible to mildew.

DOROTHY PERKINS—Polyanthus type; color a beautiful bright shell pink; flowers large, very double; petals prettily crinkled; blooms in large clusters of 30 to 40; a splendid keeper.

RED DOROTHY PERKINS—In this grand new sort we have a fine crimson rambler, but with the glossy green foliage of Dorothy Perkins, therefore never troubled with mildew. Flowers very double, in immense clusters and remarkably lasting.

TAUSENDSCHON—A lovely shade of soft pink, free blooming; a vigorous climber with splendid foliage.

WHITE DOROTHY—As its name indicates, it is a sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure, snow white flowers. This rose, we believe, will become a fixture in the list of climbing roses.

YELLOW RAMBLER—Same type and growth as Crimson Rambler, except for color, which is a pure, bright yellow.

Dwarf Polyanthus Roses

Price, 15c each; set of 6 sorts, 75c.
2-year-old plants, 35c each.

CECILE BRUNNER—(Poly.) Bright, rose, yellowish in center; very sweet; dwarf polyanthus.

PINK BABY RAMBLER—Similar in growth with the other Baby Ramblers, but with clusters of pretty double bright pink flowers; always in bloom.

BABY RAMBLER—(Dwarf Bush Type.) A dwarf Crimson Rambler not over 18 inches high, producing large trusses of light crimson flowers; clean dark green foliage; it will flower the year around.

YELLOW BABY RAMBLER—Producing trusses of yellow flowers; same growth as other Baby Ramblers.

PERLE D'OR—Dainty Nankeen yellow buds with orange center, produced in clusters, very beautiful.

JEAN DE ARC—Miniature double white flowers in large clusters surmount the plant all summer long.

JESSIE—Bright scarlet shaded crimson. Flowers double and in great clusters. Very free in growth and bloom. Its brilliant color under even the hot sun is its chief characteristic. Very lasting.

ORLEANS—(Poly.) Clusters of bright rosy red flowers, with centers shaded to pure white. A very valuable and distinct addition to this class of roses.

Moss Roses

These old fashioned Roses are coming into favor and we offer the following as best of their colors.

Price, each 35c; dozen $3.00

BLANCHE MOREAU—Flowers pure white, large, sweetly perfumed. Best white Moss Rose.

CHAPEAU DE NAPOLEON—Splendid rich red, best of its color.

CRESTED MOSS—Bright rose, light edging, well mossed.

SALET—Color, lovely satin rose; very full and of great beauty; one of the best.

Standard, or Tree Roses

Price of all Tree or Standard Roses, $1.00 to $1.50 each, according to size of head. Tree roses are budded, or grafted on hardy rose stocks about four feet high. They soon make good sized heads, forming a small tree; especially desirable for planting as single specimens, in backgrounds or rows along walks or driveways.

Order any color or variety you wish and we will send it or give you as good a substitute as possible. We aim to have the following varieties in stock:

Dean Hole
Mad. Ravary
Betty
Cli Cecil Brunner
Franz Deegan
Lyon
La France
K. A. Victoria
Mad. Caroline Testout
Ulrich Brunner
Grus an Teplitz
Papa Gontier
Perle des Jardines
Maman Cochet
Maman Cochet White
Mrs. Jno. Laing
F. K. Druschki
Baby Rambler
Hugh Dickson
Gen. Mc Arthur
Dorothy Perkins
Mad. Abel Chatenay

"How to Grow Roses"

Free on Request

APHISCIDE The Best Summer Spray for **ROSES**—PRICES: Qts., 25c.; Gal. 60c
READY FOR USE

Alphabetical List of Roses

Not prepaid.

	Price	Page
Aard's Pillar, H. T.	.35	43
American Beauty, H. P.	.35	41
American Pillar (Wich.)	.35	43
Augustus Hartman, H.T.	1.50	39
Avoca, H. T.	.35	41
Bessie Brown, H. T.	.35	41
Baroness Rothschild, H. P.	.35	41
Baby Rambler, Poly	.35	44
Baby Rambler, Pink	.35	44
Belle Siebrecht, H. T.	.35	41
Betty, H. T.	.35	41
Blue Rose, Poly	.35	44
British Queen, H. T.	.50	40
Captain Hayward, H.P.	.35	41
Cecile Brunner, Poly	.35	44
Clara Watson, H. T.	.35	41
Climbing Roses		43
Conrad F. Meyer, Rug.	.35	41
Countess of Gosford, H.T.	.35	41
Countess Clanwilliam, H. T.	1.50	39
Countess of Shaftsbury, H. T.	.50	40
Dean Hole, H. T.	.35	41
Dorothy Page Roberts, H. T.	.40	41
Dorothy Perkins, Poly.	.35	44
Duchess d'Auerstadt	.50	43
Duchess of Portland, H. T.	.50	40
Edith Part, H. T.	1.00	39
Edward Mawley, H. T.	.50	40
Etoile de Lyon, T.	.35	41
Farben Koenigin, H. T.	.40	41
Florence Pemberton, H.T.	.35	41
Franz Deegan	.35	41
Frau K. Druschki, H. P.	.35	41
Flower of Fairfield	35	44
Gen. McArthur, H. T.	.35	41
George Dickson, H. T.	1.00	39
George Elger, Poly	.75	39
Grus an Teplitz, H. T.	.35	41
Gen. Jacqueminot, H.P.	.35	41
Glorie Lyonnaise, H. P.	.35	41
Hugh Dickson, H. P.	.35	41
H. V. Machin, H. T.	1.50	39
Helene Wattine, H. T.	.50	40
Hon. Ina Bingham, H.T.	.35	42
Irish Elegance	.40	39
Irish Fireflame	1.00	39
Irish Simplicity	.50	39
J. B. Clark, H. T.	.35	42
Jean De Arc, Poly	.35	44
Jessie, Poly	.35	44
Joseph Hill, H. T	.40	41
Jonkheer, J. L. Mock, H. T.	.40	41
Juliet, H. B.	.40	41
Killarney, H. T.	.35	42
Kais. A. Victoria, H. T.	.35	42
Lady Alice Stanley, H.T.	.50	40
Lady Hillingdon, T.	.50	40
Lady Mary Ward, H. T.	1.25	39
Lady Ashtown, H. T.	.35	42
Lady Battersea, H. T.	.35	42
La France, H. T.	.35	42
Le Progress, H. T.	.40	41
Louise Catherine Breslau, H. T.	.50	40
Lyon, Pern	.40	41
Lady Roberts, T.	.40	41
La Detroit, H. T.	.35	42
Madam Ravary, H. T.	.35	42
Mad. Leon Pain, H. T.	.35	42
Mad. Abel Chatenay, H. T.	.35	42
Mad. Caroline Testout, H. T.	.35	42
Mad. Melaine Soupert, H. T.	.50	40
Mad. Phil Revoire, H.T.	.40	41
Mad. Segond Webber, H. T.	.40	41
Maman Cochet, T.	.35	42
Margaret Dickson, H. P.	.35	42
Marie van Houtte, T.	.35	42
Melody, H. T.	.75	40
Mrs. Aaron Ward, T.	.50	40
Mad. Edw. Herriott, H. T.	1.00	39
Mabel Morrison, H. P.	.35	42
Marquise de Sinety, H.T.	.50	40
Mildred Grant, H. P.	.35	42
Moss Roses	.35	44
Mrs. David McKee, H.T.	.50	40
Mrs. A. R. Waddell, H. T.	40	41
Mrs. Charles E. Allan, H. T.	.50	40
Mrs. Cornwallis West H. T.	.50	40
Mrs. E. J. Holland, H.T.	.50	40
Mrs. David Jardine, H.T.	.40	41
Mrs. Foley Hobbs, T.	.60	40
Mrs. John Laing, H. P.	.35	42
Mrs. R. G. S. Crawford, H. P.	.35	42
My Maryland, H. T.	.35	42
Old Gold, H. T.	1.00	39
Ophelia, H. T., 2-yr.	1.00	39
Ophelia, from 3½ in. pots	.50	39
Orleans, Poly	.35	44
Papa Gontier, H. T.	.35	42
Paul Neyron, H. P.	.35	42
Pharisaer, H. T.	.40	41
Pink Cherokee, S.	.35	43
Pres. W. H. Taft, H. T.	.35	42
Prince de Bulgarie, H.T.	.35	42
Prince C. de Rohan, H.P.	.35	42
Perle des Jardine, T.	.35	42
Perle D'Or, Poly	.35	44
Queen Mary, H. T.	1.25	39
Rayon D'Or, Pern	.50	40
Richmond, H. T.	.35	42
Rainbow, H. T.	.35	42
Ramblers	..	44
Safrano, T.	.35	42
Souv. de P. Notting, T.	.35	42
Souv. de Pres. Carnot, H. T.	.35	42
Sunburst, H. T.	.50	40
Tree Roses	..	44
Ulrich Brunner, H. P.	.35	42
Viscountess Folkstone, H. T.	.35	42
White Killarney, H. T.	.35	42
White La France, H. T.	.35	42
White Maman Cochet, T.	.35	42
Wm. R. Smith, T.	.35	42
Winnie Davis	.35	42
Yellow Baby Rambler	.35	44

Flower Pots

We carry a large and complete line of standard red clay Flower, Fern, Azalea Pots, Bulb Pans and Hanging Baskets and can make prompt deliveries at right prices.

☞Florists, nurserymen and growers should send list of requirements for Special Prices.

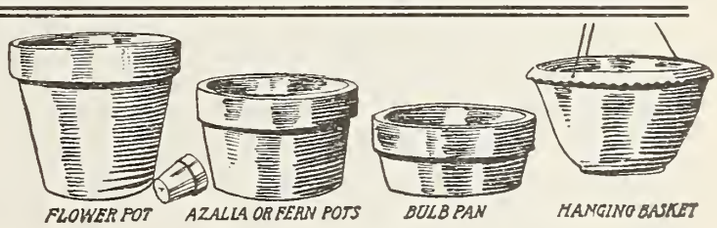
FLOWER, FERN, AZALEA POTS OR BULB PANS ALL SAME PRICE.

Size	Each	Dozen	Saucers Each
2 inch	**$0.02**	**$0.20**	
3 inch	**.03**	**.30**	
4 inch	**.04**	**.40**	**$0.03**
5 inch	**.07**	**.70**	**.04**
6 inch	**.10**	**.90**	**.05**
7 inch	**.12**	**1.20**	**.07½**
8 inch	**.15**	**1.75**	**.10**
9 inch	**.25**	**2.50**	**.15**
10 inch	**.40**	....	**.20**
12 inch	**.60**	....	**.35**
14 inch	**1.50**	....	**1.00**
16 inch	**2.25**	....	**1.25**

HANGING BASKETS

These are well made and are better than wire baskets, as plants do not dry out so quickly.

8-inch	**Each**	**$ 0.30**	**Doz.**	**$3.00**
10-inch	"	**.40**	"	**4.25**
12-inch	"	**.60**	"	**6.50**



FLOWER POT AZALIA OR FERN POTS BULB PAN HANGING BASKET

Foster Rose Tubes

For Rosarians and Cut Flower Exhibitors

FOR SHOWING ROSES

The Foster Exhibition tubes with adjustable clips, enable you to transfer flowers from one position to another without disturbing their arrangement. A wire holds the flower firmly in any desired position. Tubes afford an ample supply of water close to the rose. Used at all English shows.

Price, each, 25c; doz., $2.75.

☞ NOTE.—At above prices we will pack the pots carefully, but buyer must pay freight or express charges. We buy in carload lots and the wholesale trade, florists and nurserymen are requested to send for special prices, stating number wanted.

Fruit and Ornamental Trees
Shrubs and Plants

Deliveries can be made from October until June, but orders are accepted at any time for delivery in Season.

PLANTING AND CARE OF STOCK

WE use every precaution to deliver **healthy, vigorous stock**, but the measure of your success will depend upon the planting and care given, as careless or ignorant handling kills thousands of fine trees and plants every season. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled," **do not remove the burlap.** Plant as received, only cut the string around the top, then **loosen the burlap after the tree is set.** If you cannot plant immediately on receipt, **always "heel" in the trees so their roots may be in contact with good soil.**

The Modern Type of Properly Pruned and Well Grown Fruit Tree.

An hour's exposure of roots to wind or sun may kill any tree; this is especially true of evergreens. In planting cut off the bruised or broken roots with a sharp knife.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. But now comes the important detail, the neglect of which is responsible for many failures—

Be sure to pack the earth solidly around the roots. Leaving the ground loose after planting has caused tremendous losses that are generally and unjustly blamed to the nurseryman. Another cause of great loss is the wind working the newly set trees loose from the soil. This kills them. Always stake newly set trees if in a windy situation. After trees are set, make a plan of the grounds, marking the different varieties, then remove the wire labels, as they may damage the growing limb.

PRINCIPLES of FRUITGROWING
By **BAILEY**
516 Pages, Cloth **Post paid $1.65**

KEEPING TREES OVER WINTER FOR SPRING PLANTING

This can easily be done by following the simple instructions given below:

Select a well-drained spot where the soil is mellow, and dig a trench deep enough to cover the roots well; put in one layer of trees, placing them so they will not be erect but at a decided angle; pack the dirt firmly about the roots, then place the next layer. When trees are all "heeled" in, cover the tops with boughs or bank up the earth over them. Be sure there is no grass or rubbish near to harbor mice. In mild situations where winters are not severe, do not bury or cover the tops; simply "heel in." Trees thus kept on hand ready for planting as soon as the frost is out of the ground will be found well preserved and are more sure to grow than later spring planting. Besides, you get better service by ordering in the early fall as stocks are more complete.

☞ If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

FRUIT STOCK

IN THE purchase of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you best results.

APPLES

☞ **This is the year to plant Apple trees.** Stocks were never better and **prices are very low.** Write for quotations on large orders.

Prices of standard commercial varieties except where noted.

	Each	Per 10	Per 100	Per 1000
First Grade, 2 yr	**0.25**	**$2.00**	**$15.00**	**$125.00**
First Grade, 4 to 6 feet	**.20**	**1.75**	**14.00**	**110.00**

SUMMER VARIETIES

EARLY HARVEST
Medium size; bright straw color; tender and fine; good for table and cooking. July.

GOLDEN SWEET
Large, pale yellow, tender and rich; good for cooking; fine bearer. August.

GRAVENSTEIN
Large, beautifully dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous. August.

RED JUNE
Medium, oblong, deep red; excellent for table use; one of the best early apples.

RED ASTRACHAN
Large, deep crimson, flesh white, moderately juicy, with an agreeable rich acid flavor; very productive. August.

YELLOW TRANSPARENT
Medium size, roundish, slightly conical; skin pale yellow; flesh tender, juicy, sub-acid; good; bears at an early age. July.

AUTUMN VARIETIES

RAMBO
Medium, yellowish white, streaked yellow and red; tender, rich and sub-acid; very productive. September to November.

WAXEN
Fruit medium; skin pale yellow; flesh crisp, tender, juicy, sharp acid; one of the best for drying. October.

FALL PIPPIN
Yellowish green; good cooking apple. September.

MAIDEN'S BLUSH
Medium, well shaped; yellow, with a very distinct red cheek on the sunny side; flesh white; pleasant sub-acid flavor; excellent for table or cooking. September.

TWENTY OUNCE
Large and showy; good, though not highly flavored; flesh coarse, brisk sub-acid. October.

FAMEUSE
(Snow Apple.) Medium, roundish, greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; fine dessert fruit. October to December.

GOLDEN RUSSET
Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored. September.

GLORIA MUNDI
Large green, fine sauce apple. Last of September.

WINTER VARIETIES

ARKANSAS BLACK
Medium, round; yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained, juicy; a long keeper. December to April.

ARKANSAS BEAUTY
A southwestern beauty of great promise as a market variety, and by many considered the most beautiful of all apples. A rich sub-acid of finest quality. Keeps till March.

BALDWIN
Large, rounded; deep, bright red; very productive; crisp, fine flavor; one of the best and most popular winter apples. November to February.

BEN DAVIS
Medium to large; yellowish, overspread with red; flesh white, tender, juicy; pleasant sub-acid; thrifty, upright grower. October to January.

BISMARCK
The apple novelty; everyone should try it; tree of short, stocky growth, thick, healthy foliage; fruit large, handsome, yellowish sometimes shaded red cheek; flesh tender, pleasantly sub-acid; entirely new; seldom failing to bear when two years old. September.

CLAYTON
Winter; large, yellow, striped red; productive. December to January.

DELICIOUS
A splendid apple; coming into prominence rapidly. Tree vigorous and hardy and the fruit equals the name in every respect. Fine for market and home use and especially adapted to Eastern Oregon and Washington. Keeps till April.

GANO
Fruit is a bright red on yellow ground, large oblong, smooth. Tree vigorous and prolific bearer. Fine keeper. November to April.

GRIMES GOLDEN
Very popular. Rich golden yellow; flesh tender, juicy and rich. Tree hardy and vigorous, bearing young. November to December.

HYDE'S KING OF THE WEST
Large to very large; handsome yellowish green; good quality; a remarkable keeper; a very popular sort in some sections. November.

JONATHAN
Tree vigorous, long lived and an early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollenizer with Spitzenberg and Newtown. October to January.

KING
Large and handsome, striped red and yellow; tree vigorous and productive. November to December. Good mountainous apple.

KING DAVID
A cross between Jonathan and Arkansas Black. Color deep, rich red. Tree a young and heavy bearer. November to March.

LADY APPLE
A novel, dainty, small flat apple; red cheek. Good Christmas fruit. Tree upright and vigorous.

LAWVER
(Delaware Red). Large, rounded flat, mild sub-acid, very heavy and hard; dark red; handsomest late keeper. December to May.

MAMMOTH BLACK TWIG
Very large; bright red, pleasant sub-acid; fine late keeper; fine, vigorous tree. November to January.

McINTOSH RED
A seedling of the Fameuse; bright red, flesh white, very tender and delicious. Long lived and very productive. Adapted to Montana. November.

WINTER APPLES—Continued

MULTNOMAH (New)
A grand new sort; a hybrid between the American Pippin and Rome Beauty. Originated by H. A. Lewis. Fruit large; color red, striped yellow; flesh white and fine and of sub-acid flavor; extra long keeper and in its prime from February to June; the coming apple for long distance shipment and Oriental trade.

NORTHERN SPY
Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for "top work." Requires good soil. December.

ONTARIO
A cross between Wagener and Northern Spy. Fruit large to very large; flavor a brisk sub-acid, sprightly, slightly aromatic; season mid-winter to late.

OPALESCENT
Probably the handsomest apple ever introduced. Color light, shaded to a very dark crimson; skin smooth; susceptible of a very high polish reflecting objects like a mirror; flesh yellowish, tender, juicy and good.

ORTLEY, OR WHITE BELLEFLOWER
White fleshed, fine grained conical fruit of superior flavor; one of the best. December to April.

RED CHEEK PIPPIN
Excellent variety; sub-acid flavor; yellowish green color; red cheek; large size; good bearer. Keeps till March.

RHODE ISLAND GREENING
Large, greenish yellow; flesh yellow, fine grained, tender, crisp, juicy and aromatic; excellent for cooking and table. October.

ROME BEAUTY
Large, yellow, shaded with bright red; juicy and sub-acid; fine market sort; good bearer. November to February.

ROXBURY RUSSET
Medium, dull green and russet; flesh greenish white, rich sub-acid flavor. October to January.

SALOME
Early and annual bearer; very hardy; fruit medium and uniform; quality good. November.

SPITZENBERG
Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy, delicious rich flavor. November to March.

STARK
Large, greenish yellow, shaded and splashed with dark red; flesh yellowish, juicy, mild sub-acid; a long keeper and profitable market fruit; thrives in California. December to March.

STAYMAN WINESAP
A seedling of the Winesap. Yellow striped with red. Flesh firm, crisp, juicy and very tender and rich, sub-acid. A drougth resister; a profitable market variety. January, May.

TALMAN'S SWEET
Medium size, pale, whitish yellow, tinged with red; flesh firm; rich and very sweet; best to preserve; vigorous, productive. November to April.

WAGENER
Good size; deep red in the sun; flesh firm and fine grained; good keeper; sub-acid; excellent filler: requires thinning. October to December.

WEALTHY
Medium, whiteish yellow, shaded with deep red; flesh white, tender and juicy. October.

WINESAP
Medium yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider. December to April.

WINTER BANANA
Fancy market fruit; pale yellow with pink blush. Has a delightful aroma and sugges tive banana flavor. Not a good shipper. November.

WINTERSTEIN
A winter apple of the Gravenstein type; flesh yellowish, very tender, rich, spicy, sub-acid, highest quality, with a flavor all its own.

WOLF RIVER
Large and handsome; greenish yellow shaded with dark and light red; tree a strong grower and good bearer. September to November.

YELLOW BELLEFLOWER
Large, oblong, yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; tree a good grower and very productive; succeeds well in this valley. October to January.

YELLOW NEWTOWN PIPPIN
Large; skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties for export. December to May.

CRAB APPLES

Nice stocky trees, each, 25c. per 10, $2.25

FLORENCE
Large, handsome; red striped; early; good annual bearer, juicy and crisp; fine for the home garden. September 1.

MARTHA
Glossy yellow, shaded to red; fine for cooking and fair for eating fresh; tree handsome, vigorous and hardy. September.

TRANSCENDENT
Very large, pleasant flavor and good for cider; yellow striped red. Very productive. Adapted to Montana. September.

YELLOW SIBERIAN
Fruit small, fine golden yellow. Good. August.

HYSLOP
Large, deep crimson; tree hardy, fine for the West. November, January.

RED SIBERIAN
Yellow with scarlet cheek. Bears young and abundantly. September.

WHITNEY NO. 20
Tree thrifty, upright grower. Fruits large, striped; flesh firm and juicy. Very good. August.

DWARF FRUIT TREES

THESE are ideal for home gardens; come into bearing early and yield large crops of choicest fruits. Forty Dwarf Trees can be planted in a space 50 feet square and will not shade the ground, which can be cultivated between the trees. For best results Dwarf Trees must be planted in good rich soil and be well cared for; they should be pruned back about two-thirds of their new growth each spring.

DWARF APPLES

Baldwin, Jonathan, Yellow Transparent, Gravenstein, Wealthy, Bismarck, Rome Beauty, Red Astrachan

DWARF PEARS

Bartlett, Fall Butter, Comice, Beurre de Anjou, L. B. de Jersey, Shelton

Price, each, 35c; 10, $3.25; 100, $30.00

Dwarf Fruit Trees

Make profitable "fillers" for young orchards and are best for Home Gardens

Our stock is large—varieties and quality the finest.

CHERRIES

First Grade, 2 years

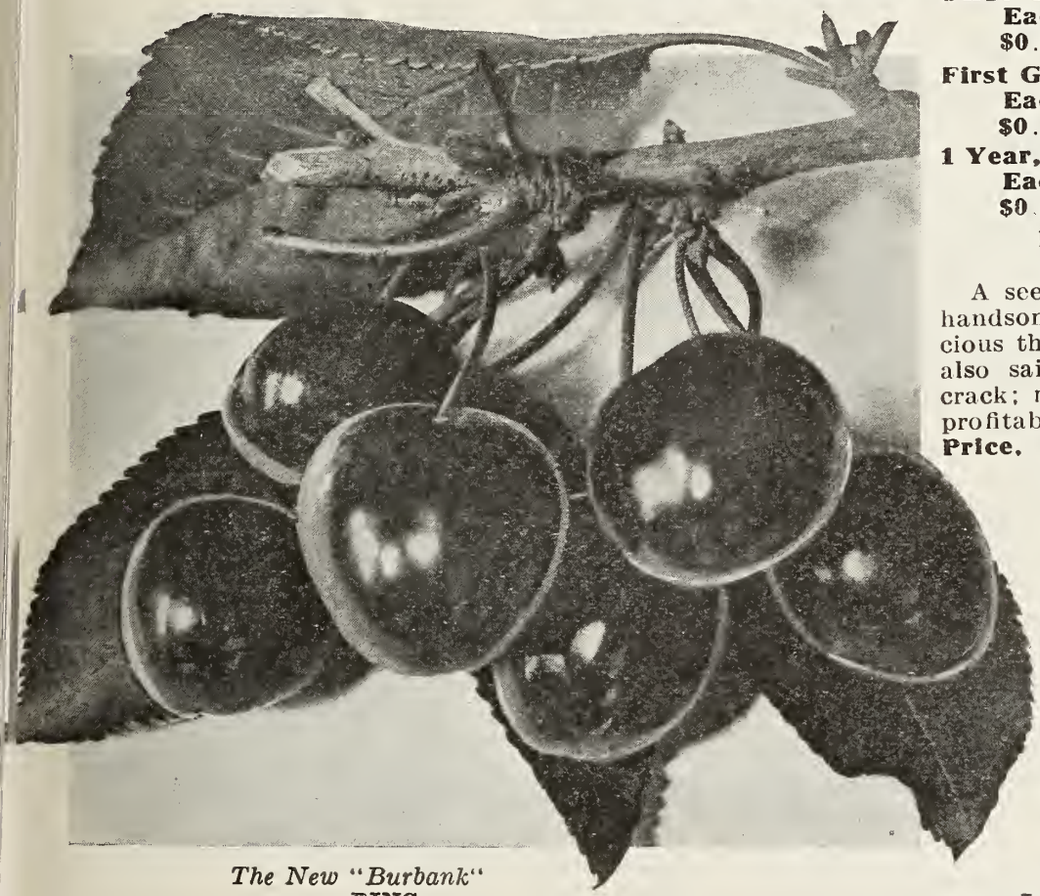
Each	Per 10	Per 100	Per 1000
$0.50	$4.00	$30.00	$———

First Grade, 1 year, 4 to 6 feet—

Each	Per 10	Per 100	Per 1000
$0.40	$3.50	$25.00	$200.00

1 Year, 3 to 4 feet—

Each	Per 10	Per 100	Per 1000
$0.25	$2.00	$17.50	$150.00



The New "Burbank"

New—ABUNDANCE

(Burbank Production)

A seedling of Royal Anne; larger, handsomer, sweeter and more delicious than this great favorite, and is also said to be firmer and not to crack; ripens a week later, twice as profitable to grow as Royal Anne. **Price, each, 1 year, 4 to 6 ft., 75c; dozen, $8.00.**

New—THE "BURBANK"

Luther Burbank describes this as the largest of all early cherries and unsurpassed in quality; a rich, fine flavored dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer. Foliage is large and so placed as to protect the fruit from rain and birds. **4 to 6 feet—select trees each, 75c; dozen, $8.00.**

BING

Originated in Oregon, from seed of Black Republican; fruit large, dark brown or black; very fine; late; a good shipping variety. July.

BLACK REPUBLICAN (Lewelling)

Seedling, raised by Seth Lewelling, of Oregon; large size, black, sweet, with purplish flesh; late and a good shipper. June.

KENTISH (Early Richmond)

Dark red, juicy; one of the best sour cherries and unsurpassed for cooking purposes; very productive. Mid-May.

LATE DUKE

Large, light red; late and excellent, sub-acid. Late July.

OREGON

Large, black, solid, free, vigorous and productive; a fine shipper. July.

ROYAL ANN

(Napoleon Bigarreau.) A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red, and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer. July 1.

LAMBERT

Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann. Mid-July.

MAY DUKE

Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class. May.

MILLER'S LATE

This new cherry resembles the Late Duke in color, shape and flavor, but it is a larger and later variety, which makes it very valuable and desirable. August. **Price, each, 60c**

NEW GIANT

Claimed by the originator to be equal in every way to the famous Lambert, but to possess the good points of being a larger and later cherry. A strong, vigorous grower; heavy cropper. **Each, $1.00; large trees, $1.50**

ROCHALINE (New)

A new German cherry, larger and redder than the Royal Ann; better shipper and more prolific bearer. July. **Each, 60c**

APRICOTS

PRICES, except where noted:	Each	Per 10	Per 100	Per 1000
First Grade, 4 to 6 feet	$ .25	2.25	17.50	150.00

THE LEWIS

The new Lewis Apricot is the largest, strongest growing, best yielding, best flavored apricot we have ever seen, and is perfectly hardy. Grown extensively in the "Goodnoe Hills" district. July, August.

MOORPARK

Very large, yellowish green, brownish red on the sunny side; flesh bright orange; fine for canning and drying; July, August.

ROYAL

Above medium size; sweet, rich, juicy; good dryer and canner. July.

TILTON

Large; rich color, high flavor; very productive; similar to Royal; later. July.

BLENHEIM

Deep orange, sometimes blushed; tender, rich and juicy. Tree vigorous. Good for Pacific Coast. Last of June.

HEMSKIRKE

Large, flesh bright orange; tender, plum like flavor. July.

PEACHES

	Each	Per 10	Per 100	Per 1000
First Grade, 4 to 6 feet	$0.20	$1.75	$15.00	$125.00
First Grade, 3 to 4 feet	.15	1.35	12.50	100.00

EARLY ALEXANDER

One of the largest and best of the extra early varieties. Almost freestone. July.

EARLY CHARLOTTE

Hardy, medium early, excellent flavor; originated in Oregon. Freestone.

EARLY CRAWFORD

Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone. August.

ELBERTA

Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone. Late July.

FOSTER

Large yellow, dark red on the sunny side; very rich, juicy and early; freestone. Late July.

LATE CRAWFORD

Very large, roundish; yellow, with dark red cheeks; flesh deep yellow; juicy and melting; flavor rich and excellent; freestone; valuable for canning and drying. September.

MUIR

Large, pale yellow; very firm and sweet; best for drying; freestone. August.

MAYFLOWER

Beautiful red all over; extremely early; tree hardy and healthy. Should be in every home and commercial orchard. Last of June. Freestone.

CHAMPION

Large, cream white, slightly blushed. Tree hardy; should be in every orchard. July. Freestone.

HEATH'S CLING

One of the best of the clings. Very large; creamy white, with slight red; flesh white. September.

TUSCAN CLING

Very large; yellow, blushed red. Vigorous and strong grower. July and August.

CROSBY

Medium; rich orange with slight red blush; freestone, pit small, flesh yellow, sweet and juicy. Good shipper; rank grower. Ripens before Crawfords Late.

KRUMMELL OCTOBER

A magnificent peach; very profitable. Ripens two weeks after Salway, but far better; a good keeper. Free from bitterness, very firm and fine texture. Tree vigorous, hardy. Good for State of Washington. Freestone.

SALWAY

Creamy yellow, red cheek; flesh deep yellow, red at the pit; rich and sweet; a standard late peach, growing more and more in favor with orchardists; freestone. Late September.

PRUNES

IF you can — **Grow Prunes** — the demand is always good and will increase every year as they can only be grown in certain sections, but where conditions are right they are easily and profitably produced.

PRICES—First Grade, 2 Years	Each	Per 10	Per 100
	$0.20	$1.80	$15.00
First Grade, 1 Year, 4 to 6 feet	.15	1.35	12.50
First Grade, 1 Year, 3 to 4 feet	.15	1.25	9.00

Special prices in 1000 lots.

ITALIAN — Fellemberg — Large oval, tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying. August.

SILVER — Seedling of the Coe's Golden Drop; tree vigorous and productive; fruit large and superior; excellent for drying or canning. September.

PETITE — French — Medium, egg shaped; violet purple; sweet, rich and sugary; very productive; standard variety for drying. August.

GIANT — Largest prune known; fruit averaging 1½ to 2 ounces each; retaining the good qualities of the smaller varieties.

HUNGARIAN — Very large; dark red, juicy and sweet; good shipper. August.

SUGAR — New — Tree vigorous grower; early variety; fruit ripens 28 days before the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple. Early. August.

NEW STANDARD — (Burbank production) — Trees very large; gives enormous yield of large firm fruit; sweet, fine-grained and delicious; perfect free stone; skin purple.

Price, each, 50c; 100, $35.00

Where conditions are right Peaches are a quick-growing, profitable orchard crop. There is always a ready market at a good price.

PLUMS

PRICES except where noted:	Each	Per 10	Per 100
First Grade, 2 years	$0.25	$2.00	$18.00
First Grade, 1 year, 4 to 6 ft	.20	1.75	15.00

ABUNDANCE — Fruit large and beautiful ; bright cherry ; flesh light yellow ; juicy, tender, sweet ; productive ; freestone. June.

BRADSHAW — Reddish purple, juicy and pleasant ; adheres partially to the stone. July.

COLUMBIA — Largest size, nearly globular ; brownish purple ; rich, sugary, freestone. August.

DAMSON — Small oval, blush purple ; flesh melting, rather tart. Tree very fruitful and hardy. August.

DAMSON — Shropshire — Medium size, dark purple ; very firm ; flesh greenish, juicy and rich. Vigorous. Late September.

MAYNARD — Dull red, large, round and firm ; rich and sweet ; sturdy, quick-growing, heavy-yielding variety ; extra fine ; ripens in July. **Each, $1.00.**

YELLOW EGG — Very large ; skin of a deep golden color, but rather acid ; excellent for cooking ; very showy. August.

GREEN GAGE — Small round ; flesh pale green, melting and juicy ; freestone. Mid-July.

SATSUMA — Blood Plum—Quite popular, large, dark red from skin to pit, which is small, firm and juicy ; tree productive. Early July.

BURBANK — Medium ; globular ; cherry red, with lilac bloom ; flesh yellow ; bears very young. Late June.

PEACH — Very large ; skin brownish red, slightly coarse grained, but juicy ; freestone ; very popular. July.

WASHINGTON — A large plum ; skin dull yellow, with a pale crimson blush ; flesh firm ; very sweet and lucious : freestone. Early August.

PEARS

We can supply all Standard varieties of Pears, but list only those in greatest demand. If the variety you want is not listed, write us.

50 at hundred rate — 500 at thousand rate.	Each	Per 10	Per 100	Per 1000
First Grade, 2 Years	$0.35	$3.00	$20.00	$175.00
First Grade, 4 to 6 feet, 1 year	.25	2.00	17.50	150.00

Bartlett.

Large ; skin thin, clear, lemon yellow, with soft blush on the sunny side ; flesh white, buttery, very juicy and highly flavored; the best Summer pear in existence. August, September.

Seckel.

Rich and highly flavored: its highly concentrated spicy, honey flavor is unequaled: skin brownish green, russet brown cheek; flesh whitish, buttery and melting. September, October.

Beurre Bosc.

Large, beautiful, russety ; highly flavored ; fine for shipping. September.

Louise Bonne De Jersey.

Large, greenish yellow, brownish red in the sun, marked with gray dots; flesh juicy, melting; very prolific. October.

Beurre Clairgeau.

Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy. September.

Beurre D'Anjou

Large, handsome, fine flavor; tree vigorous; heavy bearer ; keeps till Christmas. September.

Fall Butter.

A favorite Fall pear ; yellow, sweet and juicy. September.

Comice.

A splendid commercial variety, being of fine size ; good appearance ; ships well. October.

See page 49 for DWARF PEARS.

WINTER VARIETIES

ROOSEVELT (New)

Size very large, shape roundish. Flesh fine texture, juicy, melting. Ground color yellow, clouded with salmon rose. Season October. **Price, each, 50c**

LINCOLN CORELESS

Practically coreless; very late. Fruit should be picked when green. Large, quality good. Fairly hardy and good bearer.

CROCKER BARTLETT (New)

In shape, oblong, large and of a rich golden color. Skin rather thick but tender; flesh yellowish, buttery, juicy, sub-acid to sweet and very rich. Tree very vigorous, so far unblighted. October. **Price, each, 50c; per 10, $4.50.**

WINTER BARTLETT

This fine pear originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; flavor almost identical with the Bartlett; is undoubtedly one of the few pears of recent introduction of real merit. **Price, each, 50c; per 10, $4.50.**

BUERRE EASTER

Large, oval, yellow, with red cheek; excellent winter pear,

WINTER NELIS

Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained, of a rich saccharine, aromatic flavor. December.

QUINCE

	Each	Per 10
First Grade, 2 Years	$0.50	$4.00

CHAMPION

Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the Orange. October.

APPLE OR ORANGE

Well known standard variety; early; large, golden yellow; good for preserving or flavoring. September.

PINEAPPLE

Flavor is suggestive of the pineapple; the fruit resembles the Orange quince; making superior jelly can be eaten raw and has a most exquisite and delicious flavor, not equaled by any other quince. September.

NECTARINES

PRICES: 4 to 6-ft., each, 25c; 10, $2.00; 100, $17.50

BOSTON

Large, deep yellow, bright blush; flesh yellow; very rich and luscious. Best for Oregon. August 1.

EARLY VIOLET

Medium; skin pale, shaded violet; flesh white; good. July.

GRAPES

Prices except where noted:

2-year Plants.....Each, $0.15; per 10, $1.50; per 100, $8.00; per 1000, $70.00

If wanted in large numbers, write for prices

Our Book "SPRAYS and SPRAYERS" FREE Postpaid.

CONCORD

Large, black grape; bunches compact; berries round, sweet and pleasant. August.

DELAWARE

One of the finest of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red. August.

NIAGARA

Bunch medium; berry large, roundish, uniform; skin thin but tough; pale yellow; flesh tender and sweet; vine vigorous and productive; one of the best white grapes. September.

MOORE'S DIAMOND

Bunches large; berry greenish white, flesh juicy and almost without pulp.

MOORE'S EARLY

Bunch medium; berry large, resembling Concord, but more pulp and is earlier.

POCKLINGTON

Vine very vigorous, hardy and productive; bunch and berry of good size; color a light lemon yellow; flesh moderately tender, sweet. September.

WORDEN

Bunch very large and compact; berry large, black; an improved Concord. Late August.

CAMPBELL'S EARLY

Berries large, nearly round, black, with light purple bloom; flesh rather firm but tender; quality rich, sweet, slightly vinous; a strong and vigorous grower. August.

Price: 1 year, each, 20c; 10, $2.25.
Price: 2 years, each, 25c; 10, $2.00; 100, $15.00

McPIKE (New)

Bunches are large and compact; grapes of uniform extra large size of a blue black, covered with bloom. Ripens evenly and is of perfect quality; hardy everywhere. September. **Price, 2-year, 25c; 10, $2.00**

Thompson's Seedless, Tokay, Muscat, Malaga and other European Varieties, Choice Plants at above Prices

CURRANTS

Currants are a profitable easily grown crop, and the market is always good.
Prices except where noted.....Each, $0.10; Per 10, $0.75; Per 100, $5.00; Per 1000, $45.00

New Varieties

PERFECTION

New; largest and most prolific Currant; bright red, rich flavor, mild sub-acid; no currant can approach in yield or quality this wonderful new currant.

Strong Plants, each, 15c; 10, $1.25; 100, $10.00

POMONA

A splendid new red variety; good keeper; has the record for acreage yield. About the size of Perfection and comes a little later.

Strong Plants, each, 15c; 10, $1.25; 100, $10.00

BELLE DE BOSKOOP

A splendid new black currant excelling in quality and productiveness. A hardy, vigorous, grower; the largest and best black currant. **Strong Plants, each, 15c; 10 for $1.25**

White Currants

WHITE TRANSPARENT

The best white currant known. To be classed with the Perfection red. Splendid for market and table use; berries large, having a rich flavor; mild sub-acid. Vigorous and very productive.

WHITE GRAPE

Large, yellowish white, valuable for the table.

BLACK NAPLES

Very large, black, rich, tender and fine for jellies and wine. Productive and vigorous.

Standard Varieties

CHERRY

Very large; deep red; fine for preserving; valuable market variety.

FAY'S PROLIFIC

Bright red, very sweet, stems longer than Cherry and fruit hangs on better than most varieties. To be planted with Cherry.

NORTH STAR

Strongest grower among red varieties; bunches average four inches in length; extra quality; very productive.

VICTORIA

Large, bright red bunches, very long; an erect grower; late, productive and very valuable.

BUSH FRUITS

Logan Berry

☞Loganberries are in big demand and orders should be placed EARLY.

The fruit is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry, a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is excellent for the table, eaten raw or stewed, and is excellent for jelly or jam. June.

Large, well-rooted plants: Prices: Two-year-old, 15c each; $1.50 per doz., postpaid; by express or freight, $1.25 per doz; $7.50 per 100.

Burbank's Phenomenal

"Larger than the largest berry ever before known." Bright crimson raspberry color, productive as could be desired, and most delicious of all berries for pies, canning, jellies or jams. Sweeter than the Loganberry. Easily grown; stands shipping well, and hardy everywhere.

Compared with the Logan the color and general form are much the same the first season, particularly if the growing conditions have not been favorable, but when once established they have no equal in size, quality or productiveness. July 1.

Prices: Two-year-old, 15c each; $1.50 per doz., postpaid; by express or freight, $1.25 per doz.; $7.50 per 100.

BLACKBERRIES

BLOWERS

A new variety, said to be the best; very productive and a good shipper; exceedingly sweet. Ripens just after the Erie. July. **Price, each, 15c; 10, $1.00; 100, $8.00; postpaid, each, 20c; per 10, $1.50.**

EVERGREEN

An Oregon introduction; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November. **10 for $1.00; 100 for $7.50**

Postpaid, each, 15c; 10, $1.25

HIMALAYA GIANT

An exceedingly strong, rampant grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep rooting qualities enable it to produce a large, firm berry even in a very dry season.

Postpaid, each, 15c; doz., $1.50
Freight or Express, each, 10c; doz., $1.00

LAWTON

Fruit large; very productive; well and favorably known; Oregon's most popular kind.

Each, 8c; 10, 60c; 100, $4.00; 1000, $30.00
Postpaid, each, 15c; 10, 75c.

NEW MAMMOTH

This wonderful new blackberry is a rampant grower of trailing habit. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds. Fruit is enormous, specimens measuring 2½ inches long; seeds small, soft and abundant; cores small and soft. In size and flavor it surpasses all other varieties of blackberries. July 1.

Two-year-old, each, 15c; doz., postpaid, $1.50
by express or freight, doz., $1.25; 100, $7.50.

KITTATINNY

Large, roundish, conical, glossy black, juicy, sweet, excellent when fully ripe. July. **Each, 8c; 10, 60c; 100, $5.00. Postpaid, each, 15c; 10, 75c.**

ELDORADO

A valuable new variety; fruit large, jet black, melting, sweet and rich; hardy and very productive; fine for Oregon.

Each, 10c; 10, 90c; 100, $7.00
Postpaid, each, 15c; 10, $1.25

Raspberries—Red Caps

Prices except where noted..... 2 years—Ea., .08; per 10, .75; per 100, $4.00; per 1000, $20.00

THE IMPROVED SUPERLATIVE

A New Berry of Great Merit

The color is a soft red crimson. The berry large and firm, with very small, brittle seeds. The healthy, vigorous growth, remarkable productiveness, hardiness, immense size, handsome, uniform shape and rich, luscious flavor make the "Superlative," from the shippers' standpoint, a most desirable berry. It is firm, disease resisting, and earlier than Cuthbert.

Price: Each, 15c; doz., $1.40, postpaid; freight or express, 1 doz., $1.00; 100, $9.00.

CUTHBERT

Deep rich red, large and firm; one of the best market berries. Very strong, hardy and productive; ripens medium to late.

MARLBORO

Standard, light crimson, large, very firm; should be planted with Cuthbert as commercial variety; ripens early.

HERBERT

Three in one; splendid, large, bright red; strong grower and very productive; originated in Canada; should be tried by every planter.

Strong Plants, each, 15c; 10, $1.25

RASPBERRIES—Black Caps

Prices except where noted:
Choice well rooted plants, each, 10c; per 10, 90c; per 100, $6.00; per 1000, $40.00.

CONRATH

The Best Early Blackcap

A black raspberry of superior quality, being ten days earlier than Gregg, coming in with the earliest reds. One-sixth of an acre of Conraths produced 38 24-pound crates, netting the grower $76.

CUMBERLAND

Black; very large; similar to Gregg if not better.

KANSAS

Black. Similar to Gregg, ripening earlier. Good commercially; strong grower and productive. Drouth resistant.

MAMMOTH

Black, good quality. Not yet thoroughly tested.

MUNGER

Black, very good, juicy and fine for home use.

GREGG

Of good size, fine quality; very productive and hardy. It takes the same position among black caps as Cuthbert among the red sorts.

PLUM FARMER

New; very promising as a table and market berry; large black, hardy and productive. Good quality. **Strong plants, postpaid, each, 15c; 10, $1.25. Express or freight, 10, $1.00; 100, $8.00.**

GOOSEBERRIES

Prices except where noted ..... Each, $0.10; per 10, $0.80; per 100, $6.00; per 1000, $50.00

OREGON CHAMPION

Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

HOUGHTON

Vigorous grower, abundant bearer; fruit of medium size, pale red, sweet and juicy.

Each, 15c; 10, $1.25; 100, $12.00

RED JACKET (JOSSELYN)

Of large size; smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage.

Each, 15c; 10, $1.25; 100, $12.00

DOWNING

Large, light green; soft juicy and good. Vigorous and very productive.

INDUSTRY

Very large, dark red, of delicious flavor; the best of all English varieties. Bushes strong, upright and very productive.

Each, 20c; 10, $1.75; 100, $15.00

PEARL

Large, light yellowish green; very hardy and free from mildew; superior in size and quality. Very prolific. **Each, 15c; 10, $1.25; 100, $12.00**

Dewberry

Price..... Each, $0.10; Per 10, $0.75: Per 100, $7.00

LUCRETIA

Very popular, trailing vine. Fruit large, soft, sweet and with no hard core. Hardy, good for this Coast. Last of May.

GARDENIA

Large glossy black; delicious; heavy bearer; trailing vine. June.

Vegetable Plants

WE grow large quantities of vegetable plants, and can supply all the kinds listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early.

Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. No plants sent C. O. D.

Write for prices in large quantities.

RHUBARB

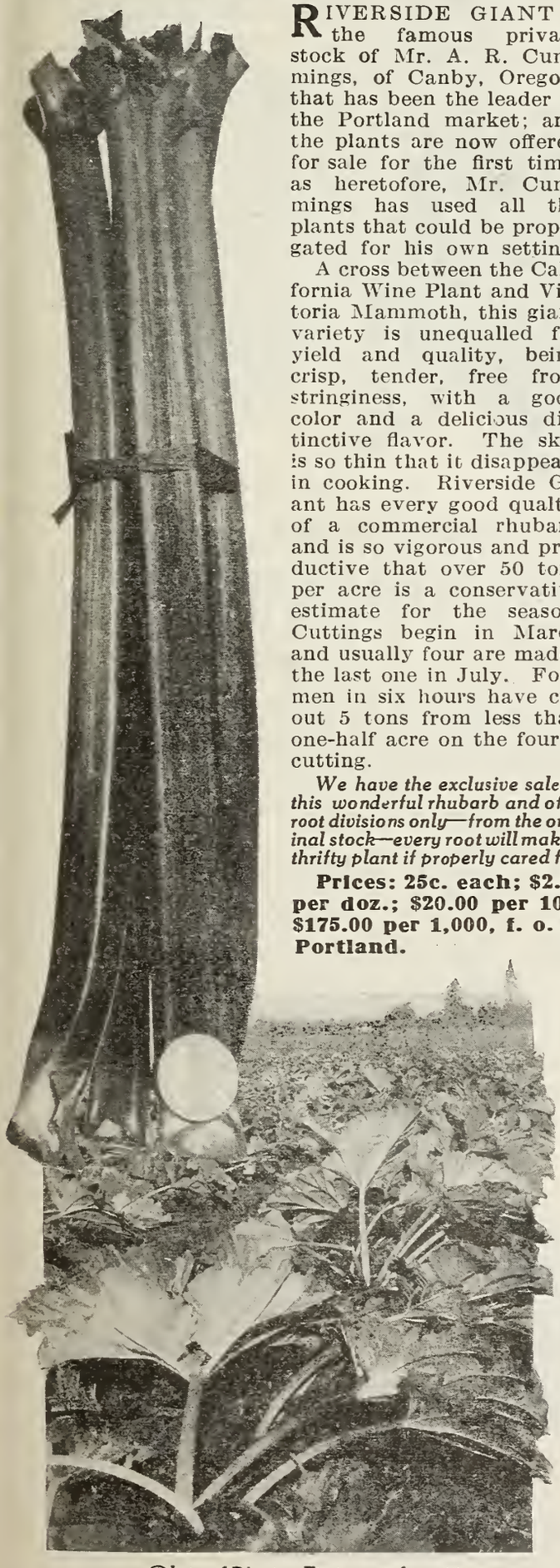


Photo of Plants—First year after setting

NEW 1915 RIVERSIDE GIANT

RIVERSIDE GIANT is the famous private stock of Mr. A. R. Cummings, of Canby, Oregon, that has been the leader in the Portland market; and the plants are now offered for sale for the first time, as heretofore, Mr. Cummings has used all the plants that could be propagated for his own setting.

A cross between the California Wine Plant and Victoria Mammoth, this giant variety is unequalled for yield and quality, being crisp, tender, free from stringiness, with a good color and a delicious distinctive flavor. The skin is so thin that it disappears in cooking. Riverside Giant has every good qualty of a commercial rhubarb and is so vigorous and productive that over 50 tons per acre is a conservative estimate for the season. Cuttings begin in March and usually four are made—the last one in July. Four men in six hours have cut out 5 tons from less than one-half acre on the fourth cutting.

We have the exclusive sale of this wonderful rhubarb and offer root divisions only—from the original stock—every root will make a thrifty plant if properly cared for.

Prices: 25c. each; $2.50 per doz.; $20.00 per 100; $175.00 per 1,000, f. o. b. Portland.

	Postpaid	By	express
CABBAGE—	Dozen	100	1000
Early or late kinds, transplanted	**$0.20**	**$0.75**	**$6.00**
Not transplanted	..	**.50**	**4.00**

Add 15c per 100 for Cabbage Plants by mail.

	Postpaid	By	express
CAULIFLOWER—	Dozen	100	1000
Early Snowball, transplanted	**$0.30**	**$1.25**	**$8.00**
Not transplanted	..	**1.00**	**7.00**
Late kinds, transplanted	**.30**	**1.00**	**7.00**
Late kinds, not transplanted	..	**.75**	**6.00**

Add 15c per 100 for Cauliflower Plants by mail.

	Postpaid	By	express
CELERY—	Dozen	100	1000
Leading kinds, transplanted	**$0.30**	**$1.00**	**$7.00**
Not transplanted	..	**.50**	**5.00**

	Postpaid	By	express
TOMATOES—	Dozen	100	1000
Leading kinds, transplanted	**$0.30**	**$1.00**	**$7.00**
Not transplanted	..	**.75**	**6.00**

Add 25c per 100 for Tomato Plants by mail.

CHIVES (Schnittlauch), per bunch.....**25c.**

Hop Vines

ENGLISH CLUSTER—The best sort.

Strong roots, postpaid, 5c each; 35c per dozen. By express, 25c per dozen; $1.50 per 100.

Write for prices if wanted by the 1000.

Horse Radish

Postpaid, 5c each; 35c per dozen. By express or freight, 25c per dozen; $1.50 per 100. Write for prices by the 1000.

Asparagus

ONE-YEAR-OLD PLANTS—Postpaid, 25c doz., 75c per 50; $1.00 per 100; By express or freight 20c dozen; 50c per 50; 75c per 100; $6.00 per 1000.

TWO-YEAR-OLD PLANTS—Postpaid, 40c per dozen; $1.00 per 50; $1.50 per 100; By express or freight, 25c dozen; 75c per 50; $1.00 per 100; $8.00 per 1000.

Rhubarb, or Pie Plant

VICTORIA MAMMOTH—BEST HARDY VARIETY

ONE-YEAR-OLD ROOTS—Postpaid, 8c each; 75c per dozen. By express or freight, 50c per dozen; $3.00 per 100.

TWO-YEAR-OLD ROOTS—Postpaid, 15c each; $1.25 per dozen. By express or freight, 85c per dozen; $6.00 per 100.

If wanted in larger quantities write for special prices.

BURBANK CRIMSON WINTER RHUBARB

A widely advertised, forcing variety of great value, the flavor and quality being superior to any other rhubarb. Comes on very early and lasts through a long season, hardy in some sections, but gives best results when protected. Must be propagated from root divisions, as it does not come true from seed. Large clumps, each, $1.00; doz., $10.00 Divided roots, each, 25c; doz., $2.50, post-paid.

☞**NOTE**—We advise our customers to order all roots by express or freight, if possible, as it enables us to send much larger and better rooted plants, at a less cost to the buyer.

If wanted in larger quantities, write for special prices.

STRAWBERRY PLANTS

"DIAMOND Quality" Strawberry Plants are large, vigorous and healthy. They are heavily rooted and have large, full crowns; have been carefully grown, and are free from disease and pests. We dig as ordered and pack for shipment in ventilated crates of 500 plants each. **They are grown from our select strains and are always true to name; no substitution** is ever allowed without instructions from the purchaser.

Our select strains of **New Oregon, Gold Dollar, Marshall, Magoon, Clark's Seedling** and other Western varieties, many of which were introduced by ourselves, still hold their position as the **leading commercial varieties of the Northwest,** and are being planted more extensively each season. Thus demonstrating by actual market and growing tests the great superiority of our Western varieties, against the keenest competition from all sections.

Big Healthy Well Grown Plants.

Ask for Free Book, "Strawberry Culture."

Care For and Feed Your Plants

Neglect is the prime factor in strawberry failures, and most strawberry beds suffer from lack of attention and starvation. Proper fertilization and intelligent culture insure enormous crops of finest fruit and freedom from diseases and pests. White grubs, cutworms, crown miners, etc., can all be controlled by preventive measures. Never set strawberries in or near clover sod or hay fields. Such ground should have at least two years cultivation before using for strawberries. Remove the mulch directly after fruiting. This helps to control many evils For helpful details of care and culture, see our **Strawberry Booklet, 32 pages, sent free on request.**

NEW OREGON

Our Own Introduction

Best, Most Uniform and Heaviest Yielding Main Crop Strawberry

"NEW OREGON" is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very center, and, no matter how large, **"NEW OREGON"** is never hollow. When fully ripe the distinctive flavor is suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking; stands handling and long shipments and will hold its color, shape and flavor when canned.

"NEW OREGON" is an early and continuous bearer, being ready for marketing the first half of May in the Willamette Valley and holds up in size and quality throughout the season, which in some localities extends until frost.

The strawberries here offered have all stood the market test and you will be safe in selecting any one of them that will suit your conditions and requirements. They are the best varieties obtainable

STRAWBERRY PLANTS—Continued

NEW FALL BEARING
Strawberry

"PROGRESSIVE"

**Photo ¾ size of fruit
4 months from planting.**

PROGRESSIVE is the best of all late or fall-bearing Strawberries that have come to our attention. The berries are shapely, of a rich red color, firm, and of delicious flavor; good keepers and shippers. Mr. Robson, of Canby, reports "from one-half acre, part set last spring and part in the fall, 42 crates had been picked up to the middle of October and bushels of fine berries lost from want of picking."

Progressive will bear as early as most varieties, but blossoms should be cut back until about four weeks before the berries are wanted, as many as 13 flower stems have been cut from plants set 4 months and in ten days they would be in full bloom again. Progressive is well worthy a trial.

Prices: Postpaid, Dozen, 40c; 25, 60c; 100, $1.75; By Express or Freight, 250, $3.00; 1,000, $10.00.

Gold Dollar—Extra Early

No early strawberry we have ever known equals our special strain of "Gold Dollars."

Gold Dollar berries are large size, dark red all through and have fine flavor. Foliage heavy, large and spreading, which protects the blooms from early frosts. Has a perfect bloom, and strong stems that hold the berries up from the ground, which helps to keep color and flavor during the early rainy season.

Gold Dollar Strawberries are the standard early berry in the big markets of the Northwest and are always in demand. They are sure, heavy croppers, keep up their size throughout the season, and command the highest prices. They are the handsomest, most prolific strawberry.

Magoon

Originated near Portland; berry large, fine and of excellent sub-acid flavor; bears heavily throughout the season; especially adapted to Western Oregon and Washington.

Clark's Seedling

The berry that has made Hood River famous; best shipper, berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to dry soil.

Wilson

An old standard variety; a heavy bearer of fine, moderate sized berries; sharp acid flavor and the leading sort for canning.

Marshall

One of the best all-round strawberries; very large; dark crimson throughout; fine flavor; a fine market and table berry. Our stock of Marshalls is absolutely true and a vigorous and prolific strain.

Molinda

A large, firm berry of finest quality and rich coloring; firm and a good keeper. A variety very popular with California market growers, as it bears heavily through many seasons.

Price List of Plants

	By mail, postpaid		By express or freight packed in ventilated crates. F. O. B. Portland.	
	Dozen	100	100	1000
Clark's Seedling	$0.30	$1.00	$0.60	$4.50
Gold Dollar	.30	1.00	.60	4.50
Magoon	.30	1.00	.60	4.50
Marshall	.30	1.00	.60	4.50
Molinda	.30	1.00	.75	5.00
NEW OREGON — IMPROVED	.30	1.00	.75	5.00
Progressive	.40	1.75	1.35	10.00
Wilson	.30	1.00	.60	4.50

Not less than 500 plants of a kind at 1000 rate. Special prices on 3000 or more.

FREE **ON REQUEST, OUR 32-PAGE BOOK ON STRAWBERRY CULTURE**
Complete and up-to-date. Things you should know about Strawberries **FREE**

ORNAMENTALS

SPACE will not permit us to give more than the very briefest description of ornamentals in this booklet, but complete descriptions and detailed information covering your planting problems will be promptly and cheerfully furnished on request, together with such suggestions as we feel will prove helpful to you. We shall be pleased to quote special prices on larger grades than those offered in the list. Such varieties as we have marked with an asterisk (*) can be supplied in many cases in larger grades and in large quantities.

When large trees are planted, they should be cut down to within 8 feet of the ground and all laterals should be shortened in, thinned out if they are too thick and cut away entirely to about 6 feet off the ground.

We shall be pleased to give quotations to persons desiring large quantities.

Prices of the following are for the 7 to 8 feet grade, excepting where otherwise specified.

Deciduous Trees

ASH

AMERICAN WHITE—Broad, round head and dense foliage. Very fine. **Each, 60c; 10, $5.00**

BASSWOOD (See Linden).

BEECH

PURPLE LEAVED—Foliage is deep purple in the spring, changing to crimson in the fall. **5 to 6 feet, each, $2.00; 6 to 8 feet, $3.00**

AMERICAN—The nut-bearing beech. **Each, 75c; 10, $6.00**

FERN LEAVED—European variety, shrub-like and very beautiful for the lawn. 7 feet. **Each, $1.50; 10, $12.50**

*BIRCH

EUROPEAN WHITE—Silvery white bark and slender drooping branches. 6-8 feet. **Each, 75c; 10, $6.50**

CUT LEAVED—Delicately cut foliage, silvery white bark and drooping branches. 5-6 feet. **Each, $1.50; 10, $12.50**

CATALPA

Splendid trees with white flowers and bright green foliage.

CATALPA BUNGEI—Forms a dense, round, umbrella-like head. **Each, $1.50**

***CATALPA WESTERN (Speciosa)**—Very rapid grower, fine as a quick shade. **Price, 7 to 8 feet, each, 75c**

CRAB—FLOWERING

BECHTELS—Flowers pink and very fragrant. In appearance a tree of roses. **3 to 4 feet, each, 75c**

DOGWOOD—CORNUS FLORIDA

WHITE FLOWERING—Flowers white, 3 inches in diameter, blooming before leaves come in spring. Grows 20 to 25 feet high and is very showy. **Price, 4 to 5 feet, each, 60c; 10, $5.00**

*ELM

AMERICAN WHITE—A native of this section; a magnificent tree with drooping branches. **Each, 75c; 10, $6.50**

***CORK BARK**—Desirable for street planting. Young branches very corky. **Each, 50c; 10, $4.50**

PURPLE LEAVED—Leaves rich purple when young. **Each, $1.75**

*LABURNUM (Golden Chain)

A beautiful small growing tree, with long, drooping racemes of fragrant yellow flowers. **5 to 6 feet, each, 75c**

LARCH

Tree native, rapid growing. **Each, 75c; 10, $6.50**

FRINGE TREE

Small; foliage dark green; bunches of pure white flowers in May. **4 to 6 feet, $1.00**

HAWTHORNE

DOUBLE SCARLET—Small tree with spreading branches and crimson flowers. **Each, 75c to $1.50**

DOUBLE WHITE—Flowers small, leaves lustrous green color. 5 to 9 feet. **Each, 75c to $1.50**

HORSE CHESTNUT

***WHITE**—Foliage showy, flowers stand in upright panicles. **Each, $1.00 to $1.50**

***RED**—Same flower as above; flowers red. **Each, $1.00 to $1.50**

LINDEN

AMERICAN—Shapely and handsome, foliage large. **Each, $1.00; 10, $8.50**

EUROPEAN—Similar to American, leaf smaller. Fine. **$1.25**

LIRIODENDRON—See Tulip tree.

LOCUST

***BLACK**—Rapid grower; fine for street planting. **Each, 75c; 10, $6.50**

HONEY—Rapid grower, a drought resister; fine for hedge or wind-break. **Each, 75c; 10, $6.50**

MAGNOLIA—Acuminata, Cucumber Tree

Tall, pyramidal tree, showy leaves and yellowish white flowers. **Each, $1.50; 10, $12.50**

MAPLE

ASH-LEAVED (Box Elder)—A rapid grower, fine street tree, foliage ash-like. 7 to 8 feet. **Each, $1.00; 10, $8.50**

VARIEGATED ASH-LEAVED MAPLE—These make handsome and attractive specimens for lawn or street plantings. **Each, $1.00**

***OREGON SOFT**—A rapid grower, fine for avenues. Leaves large. **6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00**

***SYCAMORE**—Tree large and spreading with handsome foliage. **6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00**

SILVER—A rapid grower, graceful and very beautiful; leaves silvery. **6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00**

***NORWAY**—Large, growth compact; foliage deep green. Handsome. **6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00**

PURPLE LEAF SYCAMORE—Purplish green foliage, sycamore-like. **6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00**

SUGAR OR HARD—A rapid grower; popular in the East, a shapely tree with beautiful autumnal coloring. **6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00**

OAK

ENGLISH—Low growing, spreading habit and rapid growth. **75c; 10, $6.50**

SCARLET—Pyramidal shape, foliage changes to bright red in fall. **Each, 75c; 10, $6.50**

PEACH—Flowering

Blooms in April, flowers highly colored and very attractive. **Each, 4 to 6 feet, 50c; 10, $4.00**

PERSIMMON

AMERICAN—Handsome tree with dense green foliage. Small fruit. 4 ft. **Each, 50c**

DECIDUOUS TREES — Continued

***MOUNTAIN ASH**

Very ornamental, handsome foliage turning orange red in the fall. Red berries remain on tree most of winter. **75c; 10, $6.50**

EUROPEAN—White flowers, then beautiful red berries. 6 to 8 feet. **Each, 75c; 10, $6.50**

MULBERRY

DOWNING'S EVERBEARING—A rapid grower with good fruit. Fine as a shade tree. 4 to 6 feet. **Each, 75c; 10, $6.50**

***RUSSIAN**—Of spreading habit and rapid growth. 4 to 6 feet. **Each, 75c; 10, $6.50**

POPLAR

***CAROLINA**—A very rapid grower. 6 to 8 feet. **Each, 60c; 10, $5.00**

PRUNUS PISSARDI

Foliage and fruit entirely red. Plums very good quality. Very attractive. **Each, $1.00; 4 to 6 feet, 75c**

SYCAMORE

AMERICAN—Has broad foliage and handsome bark. **4 to 6 feet, 75c; 10, $6.50**

EUROPEAN—Erect growing tree with mottled trunk. Foliage bright green. **Each, 75c; 10, $6.50**

TULIP TREE

Leaves light, glossy green, fiddle shaped; flowers greenish yellow, tulip shaped. **Each, 6 to 9 feet, 75c to $1.00**

WALNUT—See Nut Trees.

Weeping Trees

ASH

EUROPEAN WEEPING—Splendid arbor tree. **Each, $1.25; 10, $11.00**

ELM

CAMPERDOWN WEEPING—Vigorous branches, forming a roof-like head. **Each, $1.50; 10, $12.50**

MAPLE

WIER'S CUT-LEAVED—Very handsome with cut foliage. **6 to 8 feet, $1.50**

MULBERRY

TEA'S WEEPING—Very graceful; branches long and slender drooping parallel to trunk. **Each, $1.50; 10, $12.50**

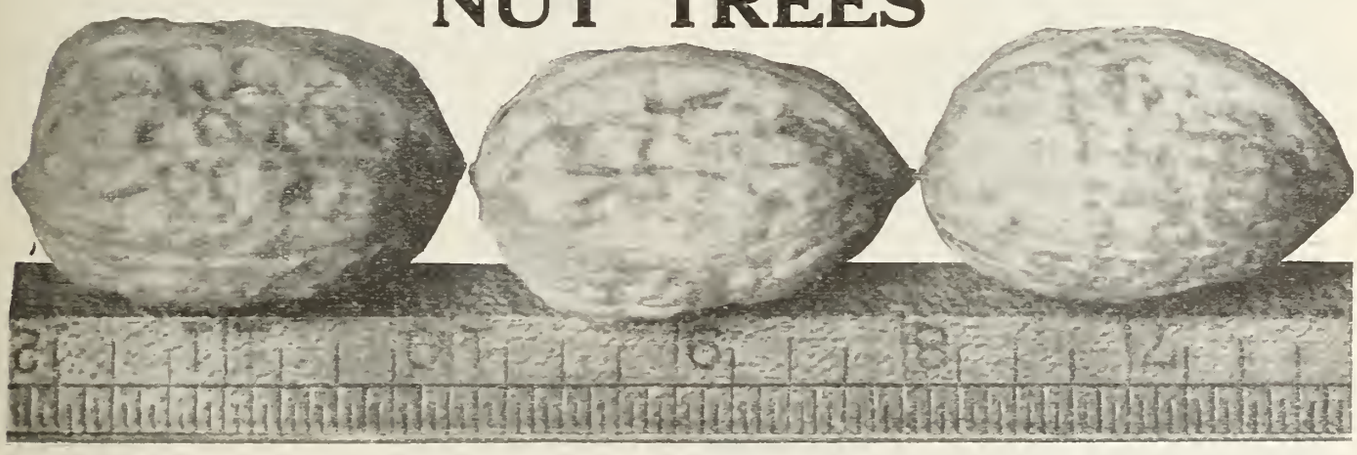
WEEPING WILLOW

KILMARNOCK—A distinct variety, having reddish shoots and large, glossy foliage. They make a most desirable and graceful drooping small tree for lawns. **6 feet and 2-year heads. each, $1.00 to $1.50**

WISCONSIN—Large, glossy leaves and very pendulous habit. **Each, 75c; 10, $6.50**

BABYLONICA OR COMMON—Well known common willow, with drooping branchlets. **5 to 6 feet, each, 60c**

NUT TREES



WALNUTS are a sure and profitable crop on the Pacific Coast, and we also urge their planting for shade and ornamental purposes. They grow rapidly, are free from pests, and are handsome and lasting. Only grafted trees should be planted as they yield heavier, the nuts are of better quality, and more uniform. We offer a splendid strain of Franquettes, the best variety for this section, grafted on four year California Black Walnut—sturdy, thrifty trees with big fibrous roots—the illustration shows nuts from the parent stock. Samples can be seen at our store.

PRICES—4 to 5 feet, each, $1.25; 6 to 8 feet, each, $1.50; 8 to 10 feet, each, $2.00

☞ **Write for special prices in large lots.** ***Mayette variety—grafted—same price***

FRANQUETTE AND MAYETTE—Second generation, soft shell, selected stock. Trees hardy and prolific bearers. Nuts are rich and meaty, finest commercial sorts.

PRICES—One-year-old, well-rooted, **Each, 25c; 10, $2.00;** Two-year-old, well rooted, tops **2 feet up, 40c; 4 to 6 feet, each, 75c; 6 to 8 feet, 75c to $1.00.**

Almond (Nut Bearing)

Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchardists. We can supply most of the leading varieties at price listed. Special prices on large orders. **Choice trees, 3 to 5 feet, 50c**

Filberts

BARCELONA—Magnificent large nut from Spain, first quality. **Each, 35c to 50c**

DU CHILLY—The largest Filbert on Pacific Coast. **Each, 35c to 50c**

Butternut

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the Middle West. **4 to 5 feet, each, 50c to 75c**

Chestnut

AMERICAN SWEET—Makes a handsome shade tree; full medium size, sweet and well flavored. **7 to 8 feet, each, 75c to $1.00**

SPANISH—Forms a handsome lawn tree and produces much larger fruit than the American variety. **4 to 6 feet, each, 75c; 7 to 8 feet, $1.00**

MAMMOTH JAPANESE—Imported; yields largest and best nuts. **Each, 75c to $1.00**

PARAGON—Nuts large and handsome, sweet and of good quality. **4 to 6 feet, each, 75c to $1.00**

Deciduous Shrubs

ALTHEA—Rose of Sharon

Flowers delicate, bell shaped, blooming at different times during summer.
Choice named varieties, 3 to 4 feet, 50c and 75c

GRANDIFLORA SUPERBA—Double, delicate blush, carmine center.

ELEGANTISSIMA—Double white.

MEEHANI—Leaves variegated, single lilac-pink flowers.

DOUBLE RED OR WHITE. **Each, 50c**

FLOWERING ALMOND

PINK—Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. **2 feet, 50c**

WHITE—Same, though white flowers. **Each, 50c**

AZALEA MOLLIS

Very bushy, a young and proficient bloomer. Colors, red, orange and yellow.
15 to 18 inches, 75c to $1.00

AZALEA

NATIVE—White or light pink.
15 to 18 inches, $1.00

BERBERRY

PURPLE LEAVED—Having purple foliage, very pretty. **Clump, 25c each**

CURRANT

FLOWERING—Graceful flowers and berries red. Very desirable for shady spots. **3 to 4 feet, 50c**

HYDRANGEA

PANICULATA GRANDIFLORA—One of the most desirable flowering shrubs; attains a height of 4 to 5 feet, flowering from July to November, bearing immense panicles of bloom, a foot or more in length; color, creamy white with pink flush. Prune back in early spring, about half of previous year's growth; flowers are borne on the new wood. Hardy everywhere; good for cemetery planting.
2 to 3 feet, each, 25c to 50c; 3 to 4 feet, 75c
Tree shaped, each, $1.00

KERRIA

JAPONICA—The double yellow globe flower, a graceful shrub bearing a bright yellow double flower during early summer. **3 to 4 feet, 50c**

HONEYSUCKLE

BUSH—Very beautiful. **3 to 4 feet, 50c.** For others, see vines.

DEUTZIA

PRIDE OF ROCHESTER—Tall, very beautiful. Flowers double white.
3 to 4 feet, 50c; 4 to 6 feet, 65c; 6 to 8 feet, 75c

ELDER

GOLDEN LEAVED—Foliage retains its bright golden color through the summer.
4 to 6 feet, 75c

EUONYMUS

EUROPEAN—Strawberry or Spindle Tree.—A small tree bearing medium sized scarlet berries.
4 to 5 feet, 50c

FILBERT

PURPLE LEAVED—Leaves and husks purple, very ornamental. Nuts good.
3 to 4 feet, 75c

FORSYTHIA (Golden Bell)

Most common; deep green foliage. Fine in partial shade. **3 to 4 feet, 50c**

CALYCANTHUS—Floridus

Flowers reddish brown, sweet scented. Leaves broad, dark green, making graceful masses.
2 to 3 feet, 50c; per 10, $3.50

QUINCE FLOWERING (See page 61.)

SNOWBALL

JAPANESE—Flowers pure white, delicate large globular heads, in May. **2 to 3 feet, 75c**

COMMON—Flowers globular, pure white, in May.
3 to 4 feet, each, 50c; 10, $4.00

SMOKE TREE

Low growing and shrubby, flowers feathery, appearing like a cloud of smoke.
3 to 4 feet, 75c to $1.00

MOCK ORANGE (Philadelphus)

GRANDIFLORA—Flowers large and slightly fragrant. Slender twig habit.
3 to 4 feet, each, 50c; 10, $4.00

TAMARIX

Elegant, fine flowering and handsome foliage. Flowers carmine-red. August. September.
3 to 4 feet, 50c

Lilacs—Syringa Vulgaris

COMMON PURPLE—Very fragrant, an old favorite.
3 to 4 feet, 50c; 10, $4.50

COMMON WHITE—Same as above, flowers white. **3 to 4 feet, 50c; 10, $4.50**

CHAS. X (Single)—A strong rapid grower; trusses large and loose, color reddish purple.

MARIE LE GRAYE (Single)—Flowers large, beautiful creamy white; bush dwarf.

MICHEL BUCHNER (Double)—Pale lilac.

PRES. GREVY (Double)—Magnificent, beautiful blue panicles; very large.

LUDWIG SPAETH (Single)—Very fine; trusses large; deep purple.

MME. LEMOINE (Double)—White color; fine for winter forcing.

PRES. CARNOT (Double)—Fine, lavender, with white center, late flowering.

GRAFTED STANDARDS **6 feet, each, $1.25**

CHOICE PLANTS **3 to 4 feet, each, 75c**

Spiraeas

ANTHONY WATERER—A handsome shrub, that blooms about the close of June; flowers red.
Clumps, each, 75c

BILLARDI—Produces fine, rose-colored flowers, and blooms nearly all summer.
Strong clumps, each, 60c

PRUNIFOLIA, BRIDAL WREATH—The pretty double white flowers are in bunches of twos and threes, and usually expand about May 1.
Clumps, each, 75c

THUNBERGII—Of graceful habit; branches are slender and somewhat drooping; foliage yellowish-green; flowers small, white, appearing early.
Clumps, each, $1.00

VAN HOUTTE—The grandest of all the Spireas. It is a beautiful ornamental for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer.
2 to 3 feet, 60c to 75c

WEIGELIA

CANDIDA—Flowers white, bush tall and very graceful. **75c**

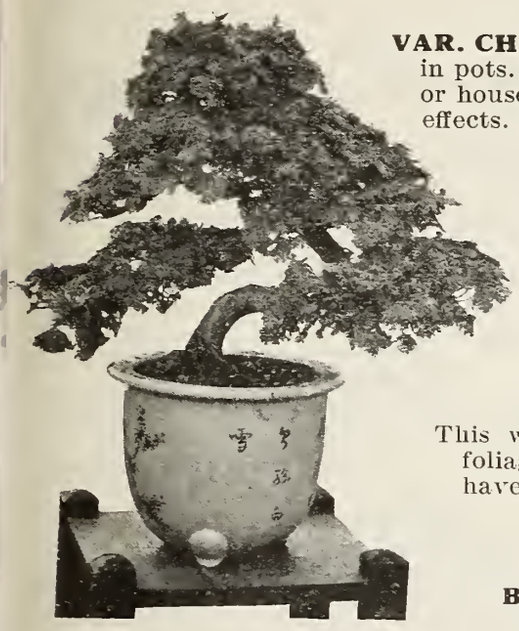
ROSEA—Flowers light pink, shrub compact and shapely. **75c**

EVA RATHKE—Flowers red, one of the best. Slightly dwarf. **75c**

VARIEGATED—Leaves become silvery white. **75c**

JAPANESE ORNAMENTALS

WE import annually large assortments of Japanese Plants, Palms, Shrubs, etc., and would call attention to the splendid values offered in these interesting specimens.



Thuja Obtusa

VAR. CHABO-HIBA—Famous Dwarf tree of Japan, over 100 years old, grown in pots. This unique and interesting tree is perfectly hardy, good for porch or house use; is very ornate and striking; making it invaluable for decorative effects. Fine specimens in oriental jardinieres. **Each, $5.00 to $10.00**

Aucuba

JAPONICA—Japan evergreen, with shining evergreen foliage and red berries. **Each, 75c to $1.00**

JAPONICA VARIEGATA—Green and yellow foliage; very showy; fine for specimen plants on lawn. Large plants for immediate effect. **Each, $1.50 to $2.50**

Bamboo

This well-known ornamental plant, with graceful and almost evergreen foliage, thrives in sheltered situations, making fine lawn clumps. We have four varieties, all hardy. Strong clumps, 3 to 6 feet.
Each, 75c to $1.50

Berberry—Japanese

B. THUNBERGII— From Japan. A pretty species of dwarf habit; small foliage, changing to a beautiful red in autumn; good hedge plant. **2 to 3 feet, each, 60c to 75c.**

Camellia

JAPONICA—Very beautiful, winter flowering evergreen; the handsomest, shining, dark green foliage and magnificent, wax-like flowers of various colors, render them indispensable for the conservatory, and well adapted for parlor or window culture; perfectly hardy in this climate in the open ground, but should be planted in a shady place and protected the first year. We have these in three colors. Double White, Pink and Red. **1½ to 2 feet, each, $1.00 to $1.50**

Daphne

ODORA—A very pretty early flowering shrub, producing pink flowers in March.
2 feet, each, $1.00

ALBA—Pure white. **2 feet, each, $1.00**

Sciadopitys Verticillata

"UMBRELLA PINE"—The leaves are narrow, round and arranged in whorls of umbrella-like tufts; is especially adapted for porch or lawn decoration. **2 feet, each, $1.50**

Maple (Japanese)

ATRO-PURPUREUM—Large palmate leaves; deep rich maroon color.

ATRO-PURPUREUM VAR — Bright crimson; deep maroon markings.

ATRO-DISSECTUM—Deeply fringed thread-like leaflets; drooping habit.

OSAKA-ZUKI—Large leaved, palmate, bright maroon changing in Autumn to blood red.

NISHIKIGASANE—Long, thread-like green leaflets deeply serrated.

WASHINO-O—Long, thread-like leaflets deeply serrated. **Select well rooted stock.**
Each, 75c to $1.50

GRAFTED MEGANE MAPLE—Interesting little dwarf maples grown in the form of a figure 8; grafted with 4 or 5 varieties. **75c to $1.50**

Hydrangea

HORTENSIS BLUE—Very fine Japanese variety for potting and porch decoration; large flowers, rosy blue to light blue, according to the soil.
Strong clumps, each, 75c

HORTENSIS, PINK—Fine truss, pure pink.
Each, 75c

Syringa

JAPONICA—Japan tree lilac, growing to a height of 30 feet; blooms late in June, bearing large pannicles of showy white flowers carried well above the foliage; leaves large and leathery, rich dark color. **Each, 75c**

Quince

JAPONICA (Japan Flowering)—Remarkable for the brilliancy of its blossoms, which vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but is not edible. **2 to 3 feet, each, 60c to 75c**

ALBA—A very beautiful variety, with delicate, white and blush flowers.
3 to 4 feet, 75c to $1.00

Persimmon

JAPANESE—Highly prized for its delicious fruit. We import the Japanese variety called Hyakume. Fruit large and oblong; color bright red; ripens early in the fall. **4 feet, each, 60c to 75c**

Magnolia

SALICIFOLIA—New species called fragrant Magnolia; pure white flowers. It emits a sweet aromatic scent, not only from the flowers, but stem and leaves; very hardy; should be in every collection. **Each, $1.50 to $2.00**

CONSPICUA—A Chinese species of great beauty. The tree is of medium size, shrub-like in growth while young, but attains the size of a tree in time. The flowers are large, pure white, very numerous and appear before the leaves.
2 feet, each, $1.00; 3 feet, each, $1.50 to $2.00

OBOVATA—Exterior petals purple, veined with deeper color, white center. **Each, $1.00 to $1.50**

GRANDIFLORA—See page 62.

Cryptomeria

One of the finest evergreens of Japan; of both upright and drooping habit. We import a number of different varieties, all of which are suitable for lawn planting. Foliage mostly needle-like; end of branches soft and flexible.
1 to 2 feet, each, $1.00 to $2.50

Prunus

We import these direct from Japan. They are hardy, rapid growers, and produce early in the spring a profusion of handsome flowers of great beauty and fragrance.

PRUNUS MUME—The Flowering Plum. Double White or Double Red.
3 feet up, each, 75c to $1.00

PRUNUS CERASUS—Handsome Flowering Japanese Cherry. White, pink or red.
3 feet up, each, 75c to $1.00

PRUNUS PISSARDI—Flowering Plum. Wood and leaves dark purple.
3 feet up, each, 75c to $1.00

Evergreen Trees

THIS list includes trees that do not shed all their foliage at one time, thereby remaining green after the deciduous trees are bare.

ARAUCARIA

IMBRICATA (MONKEY PUZZLE)—A fine tree of regular pyramidal form; leaves bright green, broad, thick, pointed and overlapping each other. **2 to 3 feet, $2.00**

ARBORVITAE

***AMERICAN**—Native, known as white cedar. Foliage bright green, yellow-green underneath; brown and bronze in winter. **2 to 3 feet, 75c**

GOLDEN—Elegant; habit regular; foliage tinged with gold in spring. **2 to 3 feet, $1.50**

WEEPING—Weeping variety, branches pendulous and thread-like; foliage light yellowish green. **2 to 3 feet, $1.50**

AMERICAN VARIEGATED PYRAMIDAL — Pyramidal form, foliage dark green. **2 to 3 feet, $1.00 to $1.50**

ORIENTAL—Fine, with close ascending branches of a fan shaped appearance. **2 to 3 feet, $1.00 to $1.50**

RED CEDAR—Native, with striking form and beautiful color. **2 to 3 feet, 60c; 10, $5.00**

BOX

Splendid specimens, our own importation.

BALL SHAPED, 10 to 15 inches

Each, $1.50 to $3.50

PYRAMID	**4 to 4½ feet, each,**	**$5.00**
"	**3 to 3½ feet, each,**	**3.50**
"	**2½ to 3 feet, each,**	**2.50**

LOW STANDARD. Heads 12 to 18 inches in diameter. **$2.00 up**

BOX PLANTS FOR HEDGES AND BORDERS 6 inch and over at from **$5.00 per hundred up.**
10 to 15 inches, each, 25c; 100, $20.00

CEDRUS

DEDORA (Himalayan or Indian Cedar)—Very handsome; branches drooping; foliage silvery green. Very popular. Vigorous grower. **2 to 3 feet, $1.50**

DEODORA VARIEGATA (Variegated Cedar)—A fine tree, same as Deodora with silvery white tipped foliage. **2 to 3 feet, $2.00**

CYPRESS

***LAWSON'S**—Graceful and conspicuous; branches horizontal, slightly pendulous, foliage dark green. **2 to 3 feet, $1.25; 10, $10.00**

LAWSON BLUE—Of slender habit with silvery foliage. **1½ to 2 feet, $1.00**

ALLUMII — Very compact, upright grower; color a bright blue. **Each, $1.00**

LAWSONIANA DARLYENSSI — A strong grower; color a fine bright yellow. **Each, $1.50**

WESSELII—This conifer distinguishes itself by its very graceful pyramid, compact and yet strong growth; color a fine blue. **Each, $1.50**

WESTERMANNII—Same as Wesselii though more pendulous and drooping. **Each, $1.50**

TRIUMPH OF BOOSKOOP—Strong grower; one of the bluest conifers in cultivation. **Each, $1.00**

FIR

AMERICAN BALSAM—Prized for its delightful aroma. **1½ to 2 feet, $1.25**

EUROPEAN—Splendid; branches spreading, foliage broad and silvery. **2 to 3 feet, $1.25**

NORDMAN'S—Lustrous, deep green foliage; very symmetrical. One of the best. **1 to 1½ feet, $1.25**

WHITE—A fine spruce; rapid growth; very hardy. Very attractive. **1½ to 2 feet, $1.50**

HEMLOCK

AMERICAN — Very beautiful and appealing; branches pendant and foliage deep green. **2 to 3 feet, 75c; 10, $6.50**

Holly—Ilex

We have a fine lot of Hollies, both seedling and grafted stock. If wanted in quantity, write for special prices. We also have at different times very large fine specimens, with or without berries. **Each, from $10.00 up**

ENGLISH (Aquifolia)—A beautiful lawn tree, with prickly, dark green foliage; grows moderately fast, and is covered during the winter months with bright red berries. One of the handsomest and most popular evergreen bushes we know of. Holly branches are cut and sold in large quantities for holiday decorations. Berry-bearing plants, per foot, **$1.00;** nice plants, **$2.50** to **$6.00;** ordinary stock, per foot, **75c;** nice plants, **$1.50** to **$3.00.**

Variegated Hollies

The variegated varieties are remarkably handsome lawn plants. The leaves are variously marked with yellow or white. We offer the following distinct sorts:

GOLDEN MARGINED—Leaves splashed with pale green; narrow, but irregular; golden edge. **Per foot, $1.00 to $1.50**

SILVER MARGINED—Leaves long, dark green, slightly mottled, and with an irregular, narrowish silvery margin. **Per foot, $1.00 to $1.50**

JUNIPER

IRISH—Pyramidal in form, foliage silvery gray; very striking. **1½ to 2 feet, $1.00**

SWEDISH—Similar to Irish, upright; one of the best. **1½ to 2 feet, $1.00**

COMMUNIS PFUTZERIANA—Graceful green foliage with horizontal branches, beautiful trailing evergreen. **4 to 6 ft., each,$3.00; pair, $5.00**

CANADENSIS REVESIANA—Same as Pfutzeriana though taller and straight. **4 to 6 feet, each, $3.00; pair, $5.00**

THUJA OCCIDENTALIS HOVEYI — Clear green color; slow growing. **Each, $1.50**

MAGNOLIA GRANDIFLORA

Choice well budded trees.
2½ to 4 feet, each, $1.00 to $2.00
Large specimens, each $3.00 to $5.00

PINE

AUSTRIAN—Well known and widely planted, especially at seashore; growth rapid; quite hardy. **2 to 3 feet, $1.00**

SCOTCH—Robust growth; branches pendulous; leaves bluish green. **3 to 4 feet, 75c; 10, $6.50**

EVERGREEN TREES—Continued

SPRUCE

*__NORWAY__—A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. **2 to 3 feet, $1.25**

NORWAY VARIEGATED GOLDEN — Foliage golden yellow, vigorous. **2 to 3 feet, $2.00**

COLORADO BLUE—The most beautiful of spruces; foliage silvery blue. **1½ to 2 feet, $2.50**

DOUGLAS—Somewhat similar to our hemlock; rapid grower. **2 to 3 feet, $1.50**

YEW

ENGLISH—Slow growth, densely branched, head spreading, dark green leaves. **2 to 3 feet, $1.00**

IRISH—Upright, deep, dark green foliage. **2 to 3 feet, $1.50**

VARIEGATED—Same as Irish, but with part of foliage striped and margined with silvery white. **2 to 3 feet, $1.50**

Evergreen Shrubs

BROOM

SCOTCH—Branches drooping, covered in spring with bright yellow pea-shaped flowers. **3 to 4 feet, 50c**

WHITE FLOWERING—Same as Scotch; flowers white. **3 to 4 feet, 75c**

SPANISH—Same as Scotch; upright; branches leafless, superior to Scotch. Blooms continuously throughout the summer; larger, nicer flower; very desirable. **3 to 4 feet, 75c**

Rhododendron

GRAFTED VARIETIES—Magnificent, June and July flowering, evergreen shrubs; the finest and most hardy of all evergreens; they prefer a somewhat shady situation. There are many varieties, the flowers of which are produced in great abundance and in shades of the following colors: White, blue, purple, cherry, lilac, mauve and crimson.

Choice plants, 1½ to 2 feet and according to number of buds, $1.50 to $3.00

PONTICUM—Flowers purple, often spotted on the upper lobe, and freely produced in short terminal corymbs. **Each, $1.50**

EUONYMUS

JAPONICA—Dense, upright; leaves dark green (hedge). **2 to 3 feet, 50c**

VARIEGATED—Gold and silver. **2 to 3 feet, 50c**

LAURISTINUS

Many white flowers in winter; fine hedge. **2 to 3 feet, each, 75c**

LAUREL

PORTUGAL—Dwarfish, leaves dark green, flowers very sweet. **2 to 3 feet, $1.25; 10, $10.00**

ENGLISH—Leaves broad, shining; flowers in clusters, creamy white. Purple berries. **2 to 3 feet, $1.00**

MAHONIA—Aquifolia

OREGON GRAPE—Shining, purple, prickly leaves; bright yellow flowers; berries blue-black. **2 to 3 feet, 75c (Balled)**

Privet (Evergreen)

One of our best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning, and can be kept in fine shape with little care.

1-year-old plants, 12 inches, each, 5c; 50, $1.75; 100, $3.00

2-year-old plants, 1½ to 2 feet, each, 10c; 50, $3.50; 100, $6.00

Spray Calendar—When to Spray, What to use

Insect or Disease.	Plant Attacked.	What to Spray With.	First Spraying.
Codling Moth	Apple, Pear	Arsenate of Lead	Just before calyx cups close.
San Jose Scale		Scalecide, Standard Sulphur-Lime Solution	When leaves are off the tree
Oyster Shell Bark Louse	Apple, mainly	Standard Sulphur-Lime Solution	When leaves are off the tree
Peach Moth or Twig Borer.	Peach	Scalecide, 1 part to 20 parts water	When the insects appear.
Woolly Aphis	Apple	Scalecide, 1 part to 40 parts water	When the insects appear.
Aphis	Roses and plants	Aphiscide	Just as soon as the insects appear.
Cabbage Worm	Cabbage	Bug Death (non-poisonous)	Before the worms eat into the cabbage.
Cabbage Aphis	Cabbage	Scalecide, 1 part to 40 parts water	When the insects appear.
Slug	Pear, Cherry, Peas	Slug Shot, or Bug Death	
Thrips	Roses	Thrip Juice, or Aphiscide	When the insects appear.
Cottony Scale	Pear, Currant	Scalecide, 1 part to 40 parts water	When insects become cottony (May).
Scab	Apple, Pear	Bordeaux	Just before blossoms open.
Blackspot Canker	Apple	Bordeaux, double strength	Immediately after leaves fall
Leaf Curl	Peach	Standard Sulphur-Lime Solution	Before buds burst.
Mildew	Gooseberry	Potassium Sulphide, 1 ounce to 2 gallons water	Just as buds burst.

Gould Spray Pumps WILL GIVE AND MAINTAIN THE NECESSARY PRESSURE TO SPRAY RIGHT. They are built for lasting service. See General Catalog.

SPRAYING to be effective MUST BE WELL DONE—

"How to Spray — When to Spray — What Sprayer to Use" is a valuable and interesting book that tells all about sprays and sprayers. **We will mail this book to you free on request.**

INDEX

A

Allium 18
Anemones 17
Araucaria 62
Aspidistra 23
Aucuba 61
Arborvitae 62
Ampelopsis 37
Almond 59–60
Althea 60
Apricots 50
Apples ..... 46 to 49
Asparagus 55
Azalea 60
Ash 58

B

Bulbs ..... 2 to 19
Begonias, Rex 28
Begonias, Tuberous 21
Begonias, Flowering 28
Bedding Plants ..... 25 to 30
Bleeding Hearts 31
Bamboo 61
Berberry 60–61
Beech 58
Birch 58
Butternut 59
Berries 53–54–56–57
Box 62
Broom 63
Blackberries 53

C

Carnations 29
Calla Lilies 5
Calycanthus 60
Chinese Sacred Lily 3
Crocus 13
Chionodoxa 18
Caladiums 31
Cannas 25
Camellia 61
Cryptomeria 61
Cedrus 62
Cyprus 62
Clematis 37
Catalpa 58
Chestnut 59
Crab, Flowering 58
Currant, Flowering 60
Currants 52
Cherries 49

D

Daffodils 15–16
Dahlias ..... 32 to 36
Daphne 61
Deutzia 60
Draecenas 23
Dogwood 58
Dwarf Fruit Trees 49
Dewberries 54
Dutchman's Pipe 37

E

Erythronium 18
Euonymus 60
Elm 59
Evergreen Trees 62–63
Evergreen Shrubs 63
Elder 60

F

Fuchsias 29
Feathered Hyacinths 18
Flower Pots 45
Freesias 3
Ferns and Fern Balls 22
Filbert 59–60
Fir 62
Forsythia 60
Fruit Trees ..... 46 to 51
Fringe Trees 58

G

Grape Hyacinths 18
Gladiola 24–25
Grass Seed 13
Geraniums 30
Grapes 52
Gooseberries 54

H

Heliotrope 29
Hyacinths 2–6–7
Hydrangea 60–61
Holly 62
Hanging Baskets 45
Hawthorne 58
Himalaya Giant Berry 53
Honeysuckle 37–60
Hop Vines 55
Horseradish 55
Hyacinth Glasses, inside front cov.
Hemlock 62
Herbs, Medicinal 29

I

Ixias 18
Iris 19–20
Ivy 37

J

Jonquils 15
Japanese Ornamentals 61
Jasminum 37
Juniper 62

K

Kerria 60
Kudzu Vine 37

L

Lawn Mowers 31
Lilies 4–5
Lily of Valley 5
Lilac 60
Laurel 63
Lauristinus 63
Laburnum (Golden Chain) .. 58
Linden 58
Locust 58
Larch 58
Loganberries 53

M

Maple 58–59–61
Magnolia 58–61–62
Mahonia Aquifolia (Oregon Grape) 63
Mulberry 59
Mountain Ash 59
Mock Orange 60

N

Narcissi ..... 2–14 to 17
Nut Trees 59
Nectarines 51

O

Oxalis 3
Oak 58
Oregon Grape 63

P

Paeonies 20
Peaches 50
Peach, Flowering 58
Prunes 50
Plums 51
Plum, Flowering 61
Pears 49–51
Perennials 26–27
Pansies 21
Phlox, Perennial 26
Pampas Grass 31
Parrots Feather 21
Palms 23
Persimmon 58
Prunus 59–61
Pine 62
Privet 63
Poplar 59

Q

Quince, Flowering 61
Quince 51

R

Ranunculus 18
Roses ..... 38 to 45
Rose Tubes 45
Rubber Plant 23
Rhododendron 63
Rhubarb 55
Raspberries 54

S

Solomon's Seal 18
Scilla 18
Snowdrops 18
Shrubs, Deciduous 60
Shrubs, Evergreen 63
Sparaxis 18
Spruce 63
Strawberries 56–57
Spray Calendar 63
Snowball 60
Sciadopitys Verticillati 61
Spiraea 60
St. Johns Wort 31
Sycamore 59
Smoke Tree 60
Syringia 61

T

Trillium 18
Tulips ..... 8 to 12
Tulips, Special Collections .. 10–12
Tulip Beds .... Inside front cover
Trumpet Vine 37
Tulip Tree 59
Tamarix 60
Tree Paeony 20
Trees, Deciduous 58–59
Tritoma ("Red Hot Poker") 31
Thuja Obtusa 61

V

Vegetable Roots and Plants .. 55
Violets 27
Vines, Ornamental 37

W

Water Lilies 21
Wistaria 37
Walnuts 59
Weigelia 60
Weeping Trees 59

Y

Yucca 31
Yew 63

FOR WINTER SPRAYING

SCALECIDE A barrel of "Scalecide" will spray more trees than 3⅓ bbls. of Lime and Sulphur, at less expense, with less work, and better results. "SCALECIDE" will not injure your pump or outfit, will not harm your skin or eyes.

6 Years of Systematic Spraying with "Scalecide" has resulted in record yields in some of the largest apple and peach orchards of the United States. Interesting literature and **sample of "Scalecide"** will be sent **Free on Request.**

SPREADS AND PENETRATES — KILLS ALL SCALE AND FUNGUS.

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Fertilizers

Ask for our Special Fertilizer Catalog, containing valuable information on the use and application of Fertilizer.

We are the largest dealers and carry the most complete stock of Fertilizers in the Northwest. They are of guaranteed analysis, conforming to the standards required by the State Laws.

FERTILIZER	**Nitrogen**	Equivalent to Ammonia	**Phosphoric Acid**	Per 100 lbs.	Per 224 lb. Bag	Per Ton
Vegetable	2 %	2.42%	10 %	$2.25		$41.00
Fruit	2.50%	3.15%	8.50%	2.35		43.00
Lawn and Roses	3.1 %	3.76%	12 %	2.35		43.00
Pure Bone Meal	3.50%		20 %	2.15		40.00
Bone Tankage	5 %		11 %	2.00		
Super Phosphate			17 %	1.40		26.00
Nitrate of Soda	15%			3.25		60.00
Blood Meal	10%		3 %	3.75		
Fish Guano				2.75		50.00
Land Plaster				.75		12.00
Lime Rock (Raw, Ground)				.75		12.00

Write for prices on Nitrate of Soda

	POUNDS PER ACRE	FERTILIZER TO USE	WHEN TO APPLY
Apples	400 to 600	Fruit	Fall or early spring.
Asparagus	300 to 600	Vegetable	
	100 to 200	Nitrate of Soda	Spring.
Berry Bushes	400 to 800	Fruit	Fall or Winter preferred, or early spring
Fruit trees and bushes	400 to 800	Fruit	Fall or Winter preferred. or early spring.
Flower beds	See Plants, etc		
Grapes	400 to 800	Fruit	Fall or early spring.
Grass for lawns	400 to 800	Lawn	Apply fall or spring, broadcast.
House plants		"Diamond" Plant Food	Directions on each package.
Nursery stock	325 to 650	Vegetable	Early spring.
Plants, flowering outdoor	A teaspoonful to a plant or broadcast	Lawn	Worked in the top soil when cultivating or making beds.
Roses, etc	½ to 1 lb. per plant	Lawn	Fall, winter or spring.
Shrubs, trees, etc	½ to 3 lbs. per plant	Lawn	Fall, winter or spring.

PLANTING TABLES

DISTANCES RECOMMENDED FOR PLANTING

Apples (Standard)	25 to 40 ft. each way	Currants	5 ft. x 3 ft.
Pears (Standard)	20 to 35 ft. each way	Gooseberries	5 ft. x 3 ft.
Quince	15 ft. each way	Strawberries (hills)	36 in. x 18 in.
Peaches	18 to 24 ft. each way	Strawberries (matted rows)	48 in. x 12 in.
Plums	15 to 20 ft. each way	Grapes	8 x 8 to 10 x 12 ft.
Cherries	25 to 40 ft. each way	Asparagus	4 x 1 ft.
Blackberries	6 ft. x 4 ft.	Rhubarb	4 x 2 ft.
Raspberries	6 ft. x 3 ft.		

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES.

In planting trees the greater distance should be given in the richer soils.

DISTANCE APART.	Square Method	Triangular.	DISTANCE APART.	Square Method.	Triangular.
1 foot apart each way	43,560	50,300	15 feet apart each way	193	223
2 feet apart each way	10,890	12,575	16 feet apart each way	170	196
4 feet apart each way	2,722	3,143	20 feet apart each way	108	125
6 feet apart each way	1,210	1,397	25 feet apart each way	70	81
9 feet apart each way	537	620	30 feet apart each way	48	55
10 feet apart each way	435	502	40 feet apart each way	27	31

RULE SQUARE METHOD—Multiply the distance in feet between the rows by the distance the plants are apart in the row; this gives the number of square feet for each plant or hill; divided into the number of feet in an acre (43,560) gives the number of plants or trees to an acre.

RULE TRIANGULAR METHOD—Divide the number required to the acre "square method" by the decimal .366. The result will be number of plants required to the acre by triangular planting.

LEWIS PLANTING BOARD

When your stakes are placed, where the trees are to be set, take an inch board 6 inches wide and 6 feet 6 inches long, bore a ¾ inch hole in the center of each end and cut a notch in the side at center that your trees will fit into. Now take two small stakes 12 inches long that will slip easily through the end holes, place the center notch around the stake where the tree is to stand, place a small stake through each of the holes in the ends, now lift your board *leaving the small stakes in the ground*, dig the hole, *replace the board over the stakes* and set the tree in the notch, plant it in this position and your orchard will "line up" perfectly.

"DIAMOND QUALITY"

NURSERY STOCKS

TRUE TO NAME

STRAWBERRY PLANTS

ASPARAGUS and RHUBARB ROOTS

BIG HEALTHY HEAVY ROOTED STOCK FROM YEAR OLD MOTHER PLANTS

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